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1982 Annual Report
Cancer Incidence in Massachusetts

Massachusetts Department of Public Health

HOW TO READ THIS REPORT

- Individual communities are listed alphabetically by regions of the state known as Health Service Areas or HSAs. The following are the HSAs and the pages in the report for each HSA:

  HSA I - Western Massachusetts (pages 8-16)
  HSA II - Central Massachusetts (pages 17-22)
  HSA III - Merrimack Valley (pages 23-24)
  HSA IV - Greater Boston Area (pages 25-30)
  HSA V - Southeastern Massachusetts (pages 31-36)
  HSA VI - North Shore (pages 37-39)

- Regional cancer incidence statistics by HSA are on page 40. Statewide cancer incidence statistics are on page 6 and broken down by age on page 41.

- Each community's cancer incidence statistics are represented for males, females and the total population by type of cancer. The second column from the left gives the total number of cancer cases diagnosed among residents of that community in 1982.

- Types of cancers are represented by numbers that run along the top of each page. The following are the types of cancers listed:

  01 - Stomach Cancer
  02 - Cancer of the Large Intestine and Rectum
  03 - Liver Cancer
  04 - Pancreatic Cancer
  05 - Cancer of the Bronchus and Lung
  06 - Breast Cancer
  07 - Cervical Cancer
  08 - Cancer of the Uterus, Ovaries and Other Female Reproductive Organs
  09 - Prostate Cancer
  10 - Bladder Cancer
  11 - Kidney Cancer
  12 - Cancers of the Blood-Forming Organs such as Leukemia

- Next to the number of cases diagnosed in 1982 in each category is another number known as the Proportional Incidence Ratio or PIR which describes in numerical terms how that community compared with the state as a whole. The following is what the PIRs mean:

  - A PIR of 100 means that a community's incidence of a certain type of cancer as a proportion of all cancers is the same as the statewide average proportion.

  - A PIR of more than 100 indicates that a community's incidence of a certain type of cancer as a proportion of all cancers is higher than the statewide average proportion. A PIR of 105, for example, means that a community's cancer incidence is 5% higher than the statewide average proportion.

  - A PIR of less than 100 means that a community's incidence of a certain type of cancer as a proportion of all cancers is less than the statewide average proportion. A PIR of 95, for example, means that a community's cancer incidence is 5% less than the statewide average proportion.

- Sometimes there will be a mark next to the PIR number which indicates how significan a community's difference from statewide statistics is, and whether it could have happened by chance alone. The following are the marks and what they mean:

  - + means that there is only a 5% chance that the variation from the statewide average was due to chance alone.

(OVER)

- # means that there is only a 1% chance that the variation from the statewide average was due to chance alone.

- * means that there were too few cases to determine their signficance.

IMPORTANT THINGS TO REMEMBER WHEN READING THIS REPORT

- This report contains information on cancer incidence, not cancer deaths.

- This report represents only one year's worth of data, and, therefore, cannot be used to identify trends. That will be possible only after several years of data have been collected.

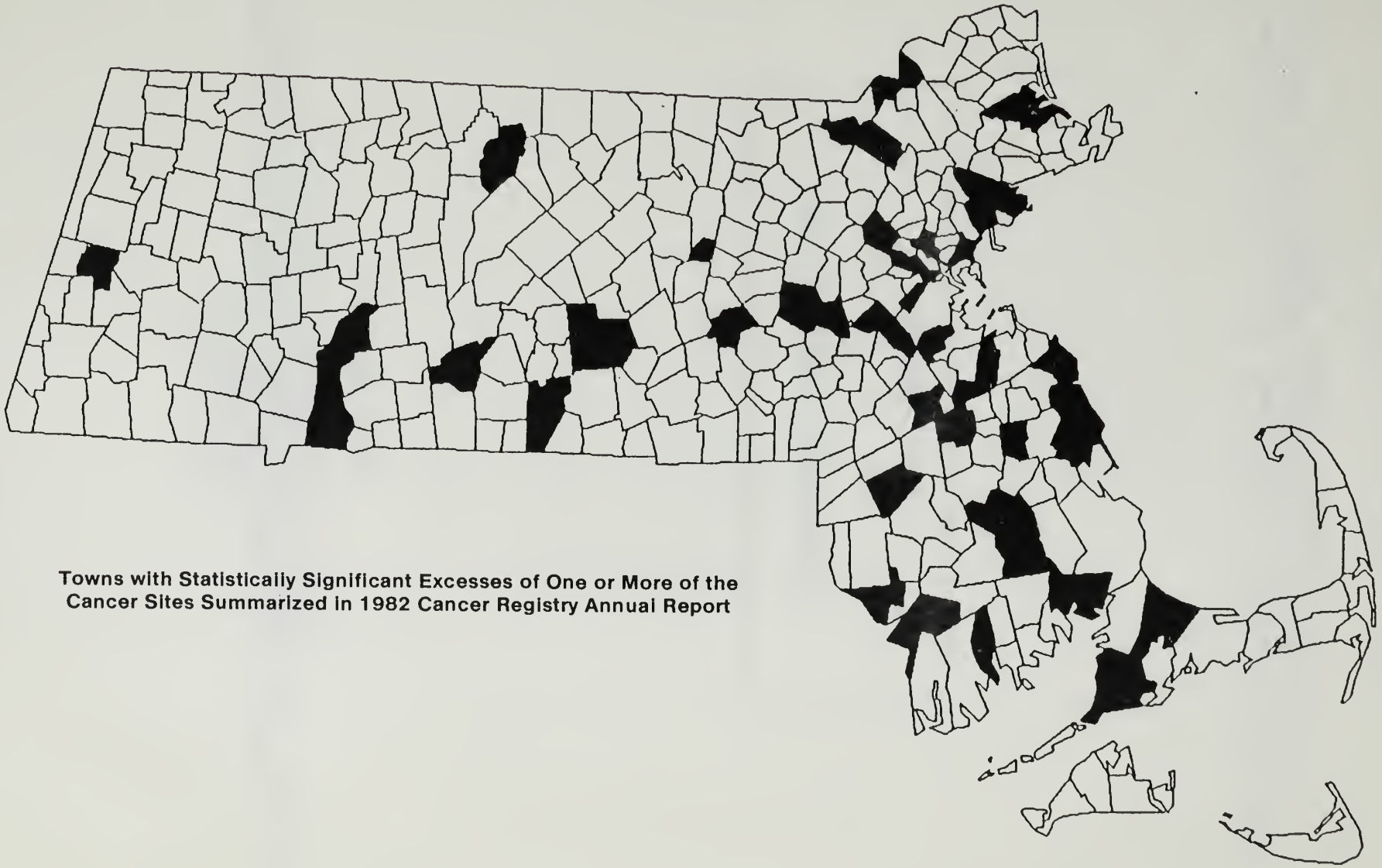
- Statistics for individual communities should be viewed cautiously because one year of data does not take into account possible fluctuations in cancer incidence over time.

- This report presents the first year of data from a complex and new reporting system. Although it appears that the quality control has been good, there is always the possibility that cases have been undercounted or overcounted. It will take three to four years of data collection to determine this.

- Although useful for an initial analysis of the Cancer Registry's data, the PIR has several drawbacks which must be kept in mind when interpreting data for individual communities. Because of the way the PIR is calculated, if a certain type of cancer is elevated in a particular community, the other types of cancer may appear to be lower than expected; conversely, if a certain type of cancer is lower than expected, the other types of cancer may appear to be artificially high. This is because the proportion of the various types of cancer in a given community must equal 100%.

- Comparisons between communities are not necessarily valid. Unless there are no major differences in the age and sex breakdowns of communities being compared, the only appropriate comparisons are between individual communities and the state as a whole.

5/3/84



Towns with Statistically Significant Excesses of One or More of the Cancer Sites Summarized in 1982 Cancer Registry Annual Report

THE COMMONWEALTH OF MASSACHUSETTS
DEPARTMENT OF PUBLIC HEALTH

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1982 ANNUAL REPORT

OF

CANCER INCIDENCE IN MASSACHUSETTS

PREPARED BY THE

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TABLE OF CONTENTS

Introduction. 1

Reporting System. 1

Data Quality. 2

Data Utilization. 3

Interpretation of the Data. 4

Cancer Registry Advisory Committee. 5

1982 Summary of Cancer Incidence in Massachusetts 5

Cancer Incidence in Massachusetts. 6

Cancer Incidence in HSA I Cities and Towns 8

Cancer Incidence in HSA II Cities and Towns. 17

Cancer Incidence in HSA III Cities and Towns 23

Cancer Incidence in HSA IV Cities and Towns. 25

Cancer Incidence in HSA V Cities and Towns 31

Cancer Incidence in HSA VI Cities and Towns. 37

Cancer Incidence by HSA. 40

Age-Specific Cancer Incidence in Massachusetts 41

Appendices

I. Cancer Registry Reporting Form 42

II. Proportional Incidence Ratio Calculation Formula 43

III. Cancer Registry Advisory Committee 44

IV. 1980 Populations for Massachusetts Cities and Towns. 46

V. Cancer Registry Staff and Acknowledgements 51

Introduction

The Massachusetts Cancer Registry was established by legislation (Ch.111, Sec. 111B) in July, 1980. This bill authorized the Commissioner of Public Health to establish the first statewide cancer incidence registry and to specify what information was to be collected and reported. The bill was passed after much effort by citizens' groups and professional organizations which had joined together with legislators and individual citizens concerned about the health effects of toxic exposures. The Registry was created amidst widespread public support to be an important tool in the Department of Public Health's ability to monitor patterns and trends of cancer incidence in communities across Massachusetts.

After a planning period and promulgation of regulations, the Registry began operations on January 1, 1982 as a statewide, mandatory reporting system. Under the regulations, hospitals are required to report newly diagnosed cases of malignant neoplasms to the Cancer Registry within six months of the date of diagnosis. The Cancer Registry's two primary purposes are to provide public information and statistical analyses of cancer incidence in Massachusetts cities and towns, and to serve as a resource for epidemiologic investigations of cancer. It was developed based on the experience of approximately forty other population-based registries in North America and Europe.

The regulations specifying the specific items of information to be collected and the mechanisms for assuring confidentiality of the information were reviewed at a public hearing before being approved by the Cancer Registry Advisory Committee and the Public Health Council in late 1981. The data collection form is attached as Appendix I.

Reporting System

There were 115 Massachusetts hospitals which reported cases to the Cancer Registry in 1982. Of these, about three-quarters already had tumor registries which provided data to their hospital staffs. One registry, based at Brockton Hospital, collected data from all but one of the hospitals in the Southeastern Massachusetts area and submitted it on a computer tape, as did four other hospitals. A total of 30% of the reported cases in this first year were received on computer tapes produced to Department of Public Health specifications.

Interstate agreements were signed with surrounding states that have population-based cancer registries. Specifically, the Massachusetts Commissioner of Public Health agreed to share data on cancer incidence with the equivalent agencies in New York, Connecticut, Rhode Island and Maine. These agreements meant that reports of Massachusetts residents diagnosed with reportable cases of cancer in these surrounding states were forwarded to the Massachusetts Cancer Registry. In return, the Massachusetts Cancer Registry reported cases of residents of the other states to their respective registries. In 1982, as a result of these agreements, the following cancer reports were exchanged among the New England states and New York:

Table 1
Exchange of Cancer Reports Among New England States and New York

Reports Received from Surrounding States		Cases Reported to Surrounding States	
New York	22	New York	212
Connecticut	50	Connecticut	175
Rhode Island	173	Rhode Island	226
TOTAL	245	Maine	103
		TOTAL	716

Reports of cases diagnosed in private doctors' offices are not required to be reported, unless they are patients who are also seen at a hospital and therefore reported by the Tumor Registrar or Medical Records Department. Also, skin cancers are not required to be reported unless they are melanomas or of specific genital sites. In situ malignancies likewise are not reported in this incidence reporting system.

Completeness of reporting is currently unknown, but an estimate can be made in future years by cross-checking cancer death certificates with previous cancer incidence files. However, the total number of reported cases agrees almost exactly with the 1982 estimate for Massachusetts previously published by the American Cancer Society. It is likely, therefore, that the number of cases reported in the first year will turn out to be quite close to the true incidence.

Data Quality

Several different methods of assuring data quality have been employed by the Cancer Registry, including training sessions held at hospitals and Department of Public Health offices throughout the Commonwealth, visual and computerized edit checks, hospital site visits by consultant tumor registrars reviewing randomly selected hospital records, and special training sessions to correct specific problems discovered once reports were submitted to the Registry.

Reports received from hospitals were reviewed several times for accuracy and consistency. Over 94% of the cases were confirmed microscopically at the hospital, but visual and computerized edit checks were also conducted by the Cancer Registry staff and edit programs. Over two thousand patients were diagnosed at more than one hospital, so duplicate reports had to be sorted out and deleted from the statistical files.

The specific steps involved in quality assurance include visual edits and phone calls to hospitals for additional information, followed by com-

puterized edits for consistency and acceptability of codes as the data are entered onto computer files, and, finally, a more detailed computerized edit program modeled after the system developed by the National Cancer Institute for its large-scale registries in other states. Periodically, a 10% random sample of records is selected for each hospital and a tumor registrar employed by the Cancer Registry visits the hospital to verify that the information received on the case report corresponds to the information in the hospital record.

There is considerable variability in the coding systems utilized by different hospitals for primary site, histology, and stage of disease at diagnosis. For the purpose of producing this Annual Report, all primary site codes were converted to the International Classification of Diseases for Oncology (ICD-O) system. This system is already used by most hospitals in Massachusetts, and computerized conversion was necessary on fewer than one-third of the cases. Histology and stage are not included in the data summarized in this report, however, because it was not possible to convert the various coding systems to a single, uniform system. In future years, as more hospitals adopt the ICD-O coding system and the American Joint Committee on Cancer's staging conventions, we anticipate that these data will be more consistent and uniform on a statewide basis.

Some of the other required data collected on the reporting form have not been included in this first report. This is because some hospitals do not yet collect or record these data at the hospital level, and therefore cannot report them to the D.P.H. Cancer Registry. For example, information such as smoking status or usual occupation are not presented here because these data were incompletely reported in 1982. However, some hospitals have already taken steps to begin collecting these types of information in their hospital records and including them in their reports, while others are expected to begin in the coming year. Future annual reports of the Cancer Registry will contain additional information once it is available and its quality has been evaluated.

Data Utilization

During its first year of operations, Cancer Registry data have already been a resource for epidemiologic investigators both within and outside the Department of Public Health.

A university-based epidemiologic research team requested and received formal approval for use of Cancer Registry data in their study. Also, data were used to monitor patterns of cancer incidence in over twenty-five towns where the Department of Public Health was asked to respond to a local concern. Furthermore, the Cancer Registry was used in 1982 to monitor the "sentinel" cancers such as mesothelioma and angiosarcoma of the liver. These are of concern because they are directly related to exposure to two environmental car-

cinogens--asbestos and vinyl chloride. In general, the Cancer Registry has already proved to be a useful tool for investigating cancer incidence in Massachusetts in 1982.

Interpretation of the Data

The method chosen for analyzing the town-specific data was the standardized Proportional Incidence Ratio (PIR).[1] The PIR is useful for an initial screening of the data and to generate hypotheses for further study based on the Cancer Registry's first year of data collection. PIRs were calculated for twelve major cancer sites using the 1982 statewide cancer incidence proportions as the standard. The PIR compares the proportion of each major type of cancer in a city or town to the State average proportion for the same type. If there appears to be an excess of any of the major cancers, the PIR will be greater than 100; if the town proportion of a specific cancer is less than the State proportion of the same cancer, the PIR will be less than 100.

Although useful for an initial analysis of the Cancer Registry's data, the PIR has several weaknesses which must be kept in mind when interpreting what the values mean. First, if a common cancer site such as colon or lung is elevated in a community, the other cancer sites will appear lower than expected. Conversely, if a common cancer site is lower than expected, the other sites may appear higher. This phenomenon occurs because the weighted average for the PIR's for the separate cancer categories in a community must equal 100. Also, the age adjustment procedure used is the indirect method[2] and therefore comparisons between communities are not necessarily valid. Unless there are no major differences in the age and sex breakdowns of communities being compared, the only appropriate comparisons are between individual communities and the State as a whole.

Further details about the method of computing the PIR are provided in

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[1]Most population-based registries collect a small proportion (1-2%) of cases from death certificates only, because the patients died before being identified in the hospital-based incidence reporting system. As a result, cancer incidence rates are not calculated until two or three years after the reporting period has ended, when all such additional cases have been collected. In Massachusetts, given that this is the first time statewide cancer incidence data have been collected and that not enough years have elapsed to feel confident that all 1982 incident cases have been identified, incidence rates were not calculated for this first report. In future years, we expect to produce rates and to employ analytic approaches based on rate comparisons.

[2]Indirect adjustment in this case means that the proportions of all cancer cases in the state attributable to each specific cancer site were calculated within age/sex groups, and these proportions were then used to calculate the expected number of site-specific cancers within each city and town.

Appendix II. The 1980 population for each city or town and Health Service Area (HSA) is also provided in Appendix IV for people who wish to calculate crude incidence rates. Statistical and epidemiological studies of the age, sex and other demographic patterns of cancer in specific communities are planned, in order to aid in decisions about further actions to be taken by the Department of Public Health or other appropriate agencies.

Cancer Registry Advisory Committee

In 1981, the Commissioner of Public Health appointed twelve persons to serve as an advisory committee to the Cancer Registry Director and to the Department. The members of this group and their affiliations are listed as Appendix III; they represent state agencies, hospitals, labor, researchers, the legislature and the public. The Advisory Committee has played an instrumental role to date in assuring the representation of a wide range of viewpoints in the process of developing the Registry.

Two subcommittees of the Advisory Committee have been established. The first developed guidelines for maintaining confidentiality of patient records when research activities are being conducted using Cancer Registry data. The other subcommittee, the Research Subcommittee, is a standing committee which reviews applications for data for research projects and makes recommendations to the Commissioner for authorization of release of data to investigators. The Research Subcommittee has already recommended approval of one project and is in the process of reviewing several more applications. As subsequent years of data accumulate in the Cancer Registry, more researchers are expected to view it as an important resource, and it is anticipated that this will be an important ongoing function of the Advisory Committee.

1982 Summary of Cancer Incidence in Massachusetts

The number and percentage of reported cases in 1982 are summarized below in Table 2; the codes correspond to the column headings on the tables on the following pages.

The most striking observation that can be made from these data is the large number of cases of cancer of the bronchus and lung. Two prior estimates of the number of Massachusetts cases had been made--2,900 using the incidence rates from the Connecticut Tumor Registry in the mid-1970s,[3] and 3,300 in the American Cancer Society estimates for 1982.[4] The total number of cases recorded in the Cancer Registry exceeded both of these estimates, and the ratio of males to females is smaller than anticipated based on recent data

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[3] Surveillance, Epidemiology, and End Results: Incidence and Mortality Data, 1973-1977, NIH Publication No. 81-2330, USDHHS, NCI, 1981, pp. 200-203.

[4] Cancer Facts and Figures 1982, American Cancer Society, 1981, p. 8.

from both the Connecticut and the New York State Health Departments. The primary risk factors for lung cancer are cigarette smoking and exposures to environmental carcinogens such as asbestos, nickel, acrylonitrile and beryllium, and the rate of decline of cigarette smoking among women has been less steep than that among men during the past twenty years.

Twenty-one cases of male breast cancer appear in Table 2. This is a very rare disease among men, as breast cancer usually occurs in women. The National Cancer Institute is currently funding a study to examine various hormonal and occupational risk factors, but there is currently no clear understanding of the causes of breast cancer in males.

Table 2
Cancer Incidence in Massachusetts, 1982

CODE*	SITE	MALE	FEMALE	TOTAL	(%)
02	Large Intestine & Rectum	1,948	2,089	4,037	(16.86)
06	Breast	21	3,383	3,404	(14.22)
05	Bronchus & Lung	2,277	1,121	3,398	(14.19)
09	Prostate	1,972	--	1,972	(8.24)
08	Uterus, Ovary and Other Female Organs	--	1,480	1,480	(6.18)
10	Bladder	813	342	1,155	(4.82)
12	Hematopoietic and Reticulo-endothelial Systems**	380	342	722	(3.02)
01	Stomach	361	268	629	(2.63)
11	Kidney	314	248	562	(2.35)
04	Pancreas	247	283	530	(2.21)
07	Cervix	--	478	478	(2.00)
03	Liver	53	29	82	(0.03)
	Other Sites***	3,043	2,450	5,493	(22.94)
	Total	11,429	12,513	23,942	

* Codes are the column headings on the following tables.

** Includes leukemias, multiple myeloma, and other rare cancers of the blood-forming organs. About two-thirds of the cases in this category are leukemias.

***Includes lip, mouth, larynx, esophagus, small intestine, bone soft tissues, testis, eye, brain, endocrine glands, lymph nodes, and ill-defined and unknown sites.

Further breakdowns of HSA and statewide totals are provided at the end of the following tables. However, in some instances, the town-specific data are

currently too sparse to interpret with any confidence. This is because the number of cases of a particular type of cancer in an individual town in a single year can be unstable, or, in the case of some smaller towns or cancer sites, no case reports have yet been received. As more data are accumulated in succeeding years, significance testing will be performed on more of the findings, and overall patterns and trends will be examined. This is a natural progression in a new statistical reporting system, and the resulting data and ongoing surveillance system should become a vital source of information on which to base cancer prevention activities in Massachusetts.

Table 3 presents the codes used in the following tables for each specific cancer site.

Table 3
Site-Specific Codes

Column Code	Cancer Site
01	Stomach
02	Large Intestine and Rectum
03	Liver
04	Pancreas
05	Bronchus and Lung
06	Breast
07	Cervix
08	Uterus, Ovaries and Other Female Reproductive Organs
09	Prostate
10	Bladder
11	Kidney
12	Hematopoietic and Reticuloendothelial Systems

Table 4
Cancer Incidence in HSA I Cities and Towns, 1982

MASSACHUSETTS DEPARTMENT OF PUBLIC HEALTH CANCER REGISTRY
1982 CANCER INCIDENCE

HSA I CITY-TOWN	SEX	ALL SITES	01	PIR	02	PIR	03	PIR	04	PIR	05	PIR	06	PIR	07	PIR	08	PIR	09	PIR	10	PIR	11	PIR	12	PIR	OTHER SITES
ADAMS	M	25	1	125*	2	48*	0	0*	1	186*	6	122	0	0*	0	0*	0	0*	4	98*	2	110*	0	0*	0	0*	9
	F	29	1	145*	5	95	0	0*	1	140*	1	38*	6	77	0	0*	4	120*	0	0*	0	0*	2	349*	1	129*	8
	T	54	2		7		0		2		7		6		0		4		4		2		2		1		17
AGAWAM	M	51	3	183*	11	124	0	0*	2	179*	3	29*	0	0*	0	0*	0	0*	8	86	8	217+	1	72*	1	62*	14
	F	53	0	0*	11	139	2	999*	1	91*	3	58*	20	134	1	50*	7	106	0	0*	1	73*	1	98*	1	70*	5
	T	104	3		22		2		3		6		20		1		7		8		9		2		2		19
ALFORD	M	0	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0
	F	0	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0
	T	0	0		0		0		0		0		0		0		0		0		0		0		0		0
AMHERST	M	20	0	0*	2	60*	0	0*	0	0*	3	72*	0	0*	0	0*	0	0*	2	61*	2	139*	0	0*	0	0*	11
	F	16	0	0*	1	41*	0	0*	0	0*	0	0*	7	153	0	0*	4	194*	0	0*	0	0*	1	315*	0	0*	3
	T	36	0		3		0		0		3		7		0		4		2		2		1		0		14
ASHFIELD	M	0	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0
	F	6	0	0*	0	0*	0	0*	0	0*	0	0*	3	157*	0	0*	1	122*	0	0*	0	0*	0	0*	0	0*	2
	T	6	0		0		0		0		0		3		0		1		0		0		0		0		2
ATHOL	M	26	2	238*	1	22*	0	0*	0	0*	7	126	0	0*	0	0*	0	0*	4	84*	4	213*	0	0*	2	259*	6
	F	17	2	446*	3	89*	0	0*	0	0*	5	348+	2	47*	0	0*	2	106*	0	0*	2	349*	0	0*	0	0*	1
	T	43	4		4		0		0		12		2		0		2		4		6		0		2		7
BECKET	M	1	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	1	999*	0	0*	0	0*	0
	F	1	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	1
	T	2	0		0		0		0		0		0		0		0		0		1		0		0		1
BELCHERTOWN	M	11	0	0*	2	117*	0	0*	0	0*	2	111*	0	0*	0	0*	0	0*	1	55*	2	295*	0	0*	0	0*	4
	F	14	0	0*	2	101*	0	0*	0	0*	1	77*	3	76*	2	256*	2	113*	0	0*	0	0*	0	0*	0	0*	4
	T	25	0		4		0		0		3		3		2		2		1		2		0		0		8
BERNARDSTON	M	4	0	0*	0	0*	0	0*	0	0*	1	127*	0	0*	0	0*	0	0*	0	0*	1	392*	0	0*	0	0*	2
	F	5	0	0*	0	0*	0	0*	0	0*	1	183*	1	69*	0	0*	0	0*	0	0*	1	843*	0	0*	0	0*	2
	T	9	0		0		0		0		2		1		0		0		0		2		0		0		4
BLANDFORD	M	4	0	0*	1	132*	0	0*	1	999*	0	0*	0	0*	0	0*	0	0*	1	109*	0	0*	0	0*	0	0*	1
	F	1	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	1	999*	0	0*	0	0*	0	0*	0	0*	0
	T	5	0		1		0		1		0		0		0		1		1		0		0		0		1
BUCKLAND	M	0	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0
	F	0	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0
	T	0	0		0		0		0		0		0		0		0		0		0		0		0		0
CHARLEMONT	M	4	0	0*	1	145*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	2	387*	1	331*	0	0*	0	0*	0
	F	3	0	0*	1	210*	0	0*	0	0*	2	636*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0
	T	7	0		2		0		0		2		0		0		0		2		1		0		0		0

NOTE: PIR REPRESENTS PROPORTIONAL INCIDENCE RATIO (OBSERVED/EXPECTED) X 100; PIR OF 999 = PIR > 1000;
+ OR - INDICATES STATISTICAL SIGNIFICANCE AT .05 LEVEL;
# OR = INDICATES STATISTICAL SIGNIFICANCE AT .01 LEVEL;
* INDICATES STATISTICAL SIGNIFICANCE NOT CALCULATED WHEN OBSERVATIONS < 5;

Table 4
Cancer Incidence in HSA I Cities and Towns, 1982
(continued)

MASSACHUSETTS DEPARTMENT OF PUBLIC HEALTH CANCER REGISTRY
1982 CANCER INCIDENCE

HSA I CITY-TOWN	SEX	ALL SITES	01	PIR	02	PIR	03	PIR	04	PIR	05	PIR	06	PIR	07	PIR	08	PIR	09	PIR	10	PIR	11	PIR	12	PIR	OTHER SITES
CHESHIRE	M	3	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	3	999*	0	0*	0	0*	0
	F	2	0	0*	0	0*	0	0*	0	0*	0	0*	1	155*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	1
	T	5	0		0		0		0		0		1		0		0		0		3		0		0		1
CHESTER	M	4	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	1	138*	0	0*	1	999*	0	0*	2
	F	3	0	0*	0	0*	0	0*	0	0*	0	0*	2	231*	0	0*	0	0*	0	0*	1	922*	0	0*	0	0*	0
	T	7	0		0		0		0		0		2		0		0		1		1		1		0		2
CHESTERFIELD	M	1	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	1
	F	2	0	0*	0	0*	0	0*	0	0*	0	0*	1	159*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	1
	T	3	0		0		0		0		0		1		0		0		0		0		0		0		2
CHICOPEE	M	118	4	106*	21	103	1	183*	6	234	24	101	1	491*	0	0*	0	0*	18	85	13	154	3	93*	2	52*	25
	F	121	4	161*	16	81	0	0*	4	148*	15	129	43	129	1	25*	8	54	0	0*	4	123*	2	84*	3	89*	21
	T	239	8		37		1		10		39		44		1		8		18		17		5		5		46
CLARKSBURG	M	0	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0
	F	4	0	0*	1	149*	0	0*	1	999*	2	473*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0
	T	4	0		1		0		1		2		0		0		0		0		0		0		0		0
COLRAIN	M	4	0	0*	0	0*	0	0*	0	0*	1	141*	0	0*	0	0*	0	0*	2	205*	0	0*	0	0*	0	0*	1
	F	2	0	0*	1	217*	0	0*	0	0*	1	722*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0
	T	6	0		1		0		0		2		0		0		0		2		0		0		0		1
CONWAY	M	0	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0
	F	3	0	0*	1	198*	0	0*	0	0*	1	293*	1	122*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0
	T	3	0		1		0		0		1		1		0		0		0		0		0		0		0
CUMMINGTON	M	1	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	1	491*	0	0*	0	0*	0	0*	0
	F	0	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0
	T	1	0		0		0		0		0		0		0		0		1		0		0		0		0
DALTON	M	12	1	274*	2	104*	0	0*	1	404*	2	91*	0	0*	0	0*	0	0*	2	104*	0	0*	2	611*	1	235*	1
	F	16	0	0*	4	151*	0	0*	0	0*	0	0*	6	133	1	236*	2	99*	0	0*	1	234*	0	0*	0	0*	2
	T	28	1		6		0		1		2		6		1		2		2		1		2		1		3
DEERFIELD	M	6	1	521*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	2	144*	0	0*	0	0*	0	0*	3
	F	10	0	0*	2	114*	0	0*	1	421*	2	218*	2	76*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	3
	T	16	1		2		0		1		2		2		0		0		2		0		0		0		6
EAST LONGMEADOW	M	18	1	174*	4	130*	0	0*	0	0*	5	136	0	0*	0	0*	0	0*	2	67*	0	0*	0	0*	1	174*	5
	F	27	1	155*	2	40*	0	0*	0	0*	1	42*	11	150	0	0*	5	164	0	0*	2	245*	0	0*	0	0*	5
	T	45	2		6		0		0		6		11		0		5		2		2		0		1		10
EASTHAMPTON	M	20	0	0*	1	30*	0	0*	0	0*	4	102*	0	0*	0	0*	0	0*	3	93*	0	0*	0	0*	2	261*	10
	F	36	0	0*	4	79*	0	0*	2	286*	1	28*	13	129	4	263*	4	87*	0	0*	0	0*	1	141*	0	0*	7
	T	56	0		5		0		2		5		13		4		4		3		0		1		2		17

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Table 4
Cancer Incidence in HSA I Cities and Towns, 1982
(continued)

MASSACHUSETTS DEPARTMENT OF PUBLIC HEALTH CANCER REGISTRY
1982 CANCER INCIDENCE

HSA I CITY-TOWN	SEX	ALL SITES	01	PIR	02	PIR	03	PIR	04	PIR	05	PIR	06	PIR	07	PIR	08	PIR	09	PIR	10	PIR	11	PIR	12	PIR	OTHER SITES
EGREMONT	M	1	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	1
	F	2	0	0*	1	195*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	1
	T	3	0		1		0		0		0		0		0		0		0		0		0		0		2
ERVING	M	1	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	1	999*	0
	F	1	0	0*	0	0*	0	0*	0	0*	0	0*	1	405*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0
	T	2	0		0		0		0		0		1		0		0		0		0		0		1		0
FLORIDA	M	2	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	1	580*	0	0*	0	0*	0	0*	1
	F	1	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	1	999*	0	0*	0	0*	0	0*	0	0*	0	0*	0
	T	3	0		0		0		0		0		0		1		0		1		0		0		0		1
GILL	M	4	0	0*	1	139*	0	0*	0	0*	1	135*	0	0*	0	0*	0	0*	1	115*	1	320*	0	0*	0	0*	0
	F	1	0	0*	0	0*	0	0*	0	0*	0	0*	1	405*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0
	T	5	0		1		0		0		1		1		0		0		1		1		0		0		0
GOSHEN	M	0	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0
	F	0	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0
	T	0	0		0		0		0		0		0		0		0		0		0		0		0		0
GRANBY	M	9	0	0*	2	133*	0	0*	0	0*	3	170*	0	0*	0	0*	0	0*	0	0*	1	165*	0	0*	0	0*	3
	F	7	1	763*	0	0*	0	0*	0	0*	1	154*	4	201*	0	0*	0	0*	0	0*	1	521*	0	0*	0	0*	0
	T	16	1		2		0		0		4		4		0		0		0		2		0		0		3
GRANVILLE	M	2	0	0*	1	294*	0	0*	1	999*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0
	F	0	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0
	T	2	0		1		0		1		0		0		0		0		0		0		0		0		0
GREAT BARRINGTON	M	25	0	0*	8	175	0	0*	0	0*	3	64*	0	0*	0	0*	0	0*	6	118	2	101*	0	0*	0	0*	6
	F	21	0	0*	4	118*	0	0*	0	0*	0	0*	4	70*	1	94*	4	163*	0	0*	1	175*	2	488*	0	0*	5
	T	46	0		12		0		0		3		4		1		4		6		3		2		0		11
GREENFIELD	M	48	2	132*	11	138	0	0*	0	0*	8	83	0	0*	0	0*	0	0*	10	125	1	30*	1	74*	3	192*	12
	F	64	1	66*	14	121	0	0*	1	64*	7	127	22	128	0	0*	2	28*	0	0*	0	0*	2	160*	4	232*	11
	T	112	3		25		0		1		15		22		0		2		10		1		3		7		23
HADLEY	M	8	0	0*	1	72*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	3	225*	1	177*	1	413*	0	0*	2
	F	7	0	0*	2	236*	0	0*	0	0*	0	0*	4	203*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	1
	T	15	0		3		0		0		0		4		0		0		3		1		1		0		3
HAMPDEN	M	9	1	348*	2	132*	0	0*	0	0*	2	120*	0	0*	0	0*	0	0*	0	0*	1	150*	0	0*	0	0*	3
	F	5	0	0*	2	199*	0	0*	0	0*	1	211*	1	78*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	1
	T	14	1		4		0		0		3		1		0		0		0		1		0		0		4
HANCOCK	M	0	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0
	F	1	0	0*	0	0*	0	0*	0	0*	0	0*	1	310*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0
	T	1	0		0		0		0		0		1		0		0		0		0		0		0		0

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Table 4
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(continued)

MASSACHUSETTS DEPARTMENT OF PUBLIC HEALTH CANCER REGISTRY
1982 CANCER INCIDENCE

HSA I CITY-TOWN	SEX	ALL SITES	01	PIR	02	PIR	03	PIR	04	PIR	05	PIR	06	PIR	07	PIR	08	PIR	09	PIR	10	PIR	11	PIR	12	PIR	OTHER SITES
HATFIELD	M	9	0	0*	0	0*	0	0*	0	0*	4	203*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	1	345*	4
	F	7	0	0*	3	244*	0	0*	1	608*	0	0*	0	0*	0	0*	2	246*	0	0*	0	0*	0	0*	0	0*	1
	T	16	0		3		0		1		4		0		0		2		0		0		0		1		5
HAWLEY	M	0	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0
	F	0	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0
	T	0	0		0		0		0		0		0		0		0		0		0		0		0		0
HEATH	M	0	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0
	F	0	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0
	T	0	0		0		0		0		0		0		0		0		0		0		0		0		0
HINSDALE	M	6	0	0*	3	260*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	1	83*	0	0*	1	715*	0	0*	1
	F	5	0	0*	0	0*	0	0*	1	911*	2	366*	2	138*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0
	T	11	0		3		0		1		2		2		0		0		1		0		1		0		1
HOLYOKE	M	106	4	119*	21	115	2	405*	3	130*	22	103	0	0*	0	0*	0	0*	20	108	7	92	2	69*	3	87*	22
	F	119	1	37*	20	95	0	0*	3	105*	8	74	31	98	1	26*	22	158+	0	0*	5	144	2	82*	1	30*	25
	T	225	5		41		2		6		30		31		1		22		20		12		4		4		47
HUNTINGTON	M	3	0	0*	0	0*	0	0*	0	0*	1	134*	0	0*	0	0*	0	0*	2	773*	0	0*	0	0*	0	0*	0
	F	3	0	0*	0	0*	0	0*	1	999*	0	0*	1	116*	0	0*	1	282*	0	0*	0	0*	0	0*	0	0*	0
	T	6	0		0		0		1		1		1		0		1		2		0		0		0		0
LANESBOROUGH	M	2	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	1	999*	1
	F	6	0	0*	1	134*	0	0*	2	999*	0	0*	2	110*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	1
	T	8	0		1		0		2		0		2		0		0		0		0		0		1		2
LEE	M	15	0	0*	3	110*	0	0*	0	0*	5	162	0	0*	0	0*	0	0*	4	134*	2	187*	0	0*	0	0*	1
	F	17	0	0*	0	0*	0	0*	0	0*	1	57*	4	81*	2	318*	1	46*	0	0*	1	237*	0	0*	0	0*	8
	T	32	0		3		0		0		6		4		2		1		4		3		0		0		9
LENOX	M	19	0	0*	9	268#	0	0*	0	0*	3	79*	0	0*	0	0*	0	0*	1	28*	1	69*	0	0*	1	172*	4
	F	25	1	158*	3	63*	0	0*	1	156*	3	143*	4	62*	0	0*	3	108*	0	0*	1	123*	1	188*	1	141*	7
	T	44	1		12		0		1		6		4		0		3		1		2		1		2		11
LEVERETT	M	0	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0
	F	2	0	0*	0	0*	0	0*	0	0*	1	727*	1	180*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0
	T	2	0		0		0		0		1		1		0		0		0		0		0		0		0
LEYDEN	M	0	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0
	F	0	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0
	T	0	0		0		0		0		0		0		0		0		0		0		0		0		0
LONGMEADOW	M	27	1	116*	5	106	0	0*	1	170*	2	37*	1	999*	0	0*	0	0*	8	155	3	155*	0	0*	2	235*	4
	F	33	1	162*	3	63*	0	0*	0	0*	3	108*	14	148	1	57*	6	150	0	0*	0	0*	1	166*	0	0*	4
	T	60	2		8		0		1		5		15		1		6		8		3		1		2		8

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LUDLOW	M	43	2	149*	10	138	0	0*	0	0*	6	71	0	0*	0	0*	0	0*	7	94	4	132*	0	0*	4	267*	10
	F	28	3	493*	4	84*	0	0*	0	0*	2	73*	7	91	0	0*	5	148	0	0*	2	259*	1	178*	0	0*	4
	T	71	5		14		0		0		8		7		0		5		7		6		1		4		14
MIDDLEFIELD	M	0	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0
	F	0	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0
	T	0	0		0		0		0		0		0		0		0		0		0		0		0		0
MONROE	M	0	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0
	F	0	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0
	T	0	0		0		0		0		0		0		0		0		0		0		0		0		0
MONSON	M	8	0	0*	1	68*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	1	56*	0	0*	0	0*	0	0*	6
	F	15	0	0*	1	42*	0	0*	0	0*	2	156*	4	96*	3	449*	0	0*	0	0*	1	233*	0	0*	0	0*	4
	T	23	0		2		0		0		2		4		3		0		1		1		0		0		10
MONTAGUE	M	29	3	318*	6	119	0	0*	0	0*	6	107	0	0*	0	0*	0	0*	7	125	2	93*	0	0*	0	0*	5
	F	20	0	0*	4	115*	0	0*	1	211*	1	50*	3	56*	0	0*	5	204	0	0*	0	0*	0	0*	2	398*	4
	T	49	3		10		0		1		7		3		0		5		7		2		0		2		9
MONTEREY	M	2	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	1	999*	0	0*	1
	F	0	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0
	T	2	0		0		0		0		0		0		0		0		0		0		1		0		1
MONTGOMERY	M	1	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	1	388*	0	0*	0	0*	0	0*	0
	F	0	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0
	T	1	0		0		0		0		0		0		0		0		1		0		0		0		0
MOUNT WASHINGTON	M	0	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0
	F	0	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0
	T	0	0		0		0		0		0		0		0		0		0		0		0		0		0
NEW ASHFORD	M	1	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	1	999*	0	0*	0	0*	0
	F	1	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	1	700*	0	0*	0	0*	0	0*	0	0*	0
	T	2	0		0		0		0		0		0		0		1		0		1		0		0		0
NEW MARLBOROUGH	M	0	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0
	F	3	0	0*	2	312*	0	0*	0	0*	1	352*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0
	T	3	0		2		0		0		1		0		0		0		0		0		0		0		0
NEW SALEM	M	2	0	0*	1	299*	0	0*	1	999*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0
	F	1	0	0*	0	0*	0	0*	0	0*	0	0*	1	405*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0
	T	3	0		1		0		1		0		1		0		0		0		0		0		0		0
NORTH ADAMS	M	55	0	0*	8	81	0	0*	1	83*	14	128	0	0*	0	0*	0	0*	4	37*	2	50*	2	139*	1	58*	23
	F	58	0	0*	9	88	0	0*	0	0*	5	93	13	84	4	195*	10	146	0	0*	0	0*	3	254*	3	199*	11
	T	113	0		17		0		1		19		13		4		10		4		2		5		4		34

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Table 4
Cancer Incidence in HSA I Cities and Towns, 1982
(continued)

MASSACHUSETTS DEPARTMENT OF PUBLIC HEALTH CANCER REGISTRY
1982 CANCER INCIDENCE

HSA I CITY-TOWN	SEX	ALL SITES	01	PIR	02	PIR	03	PIR	04	PIR	05	PIR	06	PIR	07	PIR	08	PIR	09	PIR	10	PIR	11	PIR	12	PIR	OTHER SITES
NORTHAMPTON	M	46	1	68*	4	49*	0	0*	0	0*	5	55	0	0*	0	0*	0	0*	8	91	7	207	2	169*	2	129*	17
	F	59	2	157*	6	60	0	0*	0	0*	5	92	20	127	1	51*	9	129	0	0*	0	0*	1	85*	1	58*	14
	T	105	3		10		0		0		10		20		1		9		8		7		3		3		31
NORTHFIELD	M	4	0	0*	0	0*	0	0*	0	0*	1	122*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	3
	F	4	0	0*	2	298*	0	0*	1	999*	0	0*	1	89*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0
	T	8	0		2		0		1		1		1		0		0		0		0		0		0		3
ORANGE	M	9	0	0*	3	194*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	2	312*	0	0*	1	381*	3
	F	9	0	0*	2	134*	0	0*	0	0*	0	0*	3	124*	0	0*	1	90*	0	0*	0	0*	1	516*	1	451*	1
	T	18	0		5		0		0		0		3		0		1		0		2		1		2		4
OTIS	M	5	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	2	245*	0	0*	0	0*	0	0*	3
	F	2	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	1	999*	0	0*	1
	T	7	0		0		0		0		0		0		0		0		2		0		1		0		4
PALMER	M	35	1	88*	7	114	0	0*	1	128*	9	121	0	0*	0	0*	0	0*	7	112	3	118*	0	0*	0	0*	7
	F	25	1	159*	2	42*	1	999*	0	0*	3	136*	4	62*	0	0*	10	354#	0	0*	1	123*	0	0*	1	143*	2
	T	60	2		9		1		1		12		4		0		10		7		4		0		1		9
PELHAM	M	3	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	1	388*	0	0*	0	0*	0	0*	2
	F	1	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	1
	T	4	0		0		0		0		0		0		0		0		1		0		0		0		3
PERU	M	0	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0
	F	0	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0
	T	0	0		0		0		0		0		0		0		0		0		0		0		0		0
PETERSHAM	M	2	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	2
	F	3	0	0*	0	0*	0	0*	0	0*	1	489*	2	255*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0
	T	5	0		0		0		0		1		2		0		0		0		0		0		0		2
PHILLIPSTON	M	2	0	0*	0	0*	0	0*	0	0*	1	214*	0	0*	0	0*	0	0*	0	0*	1	711*	0	0*	0	0*	0
	F	0	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0
	T	2	0		0		0		0		1		0		0		0		0		1		0		0		0
PITTSFIELD	M	102	4	123*	14	79	0	0*	4	180*	20	98	0	0*	0	0*	0	0*	12	64	12	164	2	72*	4	120*	30
	F	108	1	43*	23	126	0	0*	0	0*	10	98	30	103	4	108*	13	100	0	0*	4	141*	1	45*	0	0*	22
	T	210	5		37		0		4		30		30		4		13		12		16		3		4		52
PLAINFIELD	M	1	0	0*	0	0*	0	0*	0	0*	1	457*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0
	F	0	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0
	T	1	0		0		0		0		1		0		0		0		0		0		0		0		0
RICHMOND	M	4	0	0*	0	0*	0	0*	0	0*	1	114*	0	0*	0	0*	0	0*	1	158*	0	0*	0	0*	0	0*	2
	F	3	0	0*	0	0*	0	0*	0	0*	0	0*	3	375*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0
	T	7	0		0		0		0		1		3		0		0		1		0		0		0		2

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ROWE	M	0	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0
	F	2	0	0*	0	0*	0	0*	0	0*	0	0*	2	362*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0
	T	2	0		0		0		0		0		2		0		0		0		0		0		0		0
ROYALSTON	M	0	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0
	F	1	0	0*	0	0*	0	0*	0	0*	0	0*	1	405*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0
	T	1	0		0		0		0		0		1		0		0		0		0		0		0		0
RUSSELL	M	1	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	1	314*	0	0*	0	0*	0	0*	0
	F	0	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0
	T	1	0		0		0		0		0		0		0		0		1		0		0		0		0
SANDISFIELD	M	1	1	999*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0
	F	3	1	999*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	1	331*	0	0*	0	0*	0	0*	1	999*	0
	T	4	2		0		0		0		0		0		0		1		0		0		0		1		0
SAVOY	M	1	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	1	491*	0	0*	0	0*	0	0*	0
	F	0	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0
	T	1	0		0		0		0		0		0		0		0		1		0		0		0		0
SHEFFIELD	M	10	0	0*	1	55*	0	0*	0	0*	4	200*	0	0*	0	0*	0	0*	2	102*	1	134*	0	0*	0	0*	2
	F	8	0	0*	2	157*	0	0*	1	576*	0	0*	2	107*	0	0*	2	208*	0	0*	0	0*	0	0*	0	0*	1
	T	18	0		3		0		1		4		2		0		2		2		1		0		0		3
SHELBURNE	M	7	0	0*	0	0*	0	0*	0	0*	4	302*	0	0*	0	0*	0	0*	0	0*	1	230*	0	0*	0	0*	2
	F	8	0	0*	3	203*	0	0*	1	509*	0	0*	2	97*	0	0*	1	111*	0	0*	1	477*	0	0*	0	0*	0
	T	15	0		3		0		1		4		2		0		1		0		2		0		0		2
SHUTESBURY	M	1	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	1	600*	0
	F	0	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0
	T	1	0		0		0		0		0		0		0		0		0		0		0		1		0
SOUTH HADLEY	M	19	0	0*	4	129*	1	999*	1	252*	5	126	0	0*	0	0*	0	0*	1	32*	1	78*	0	0*	1	144*	5
	F	32	0	0*	1	22*	0	0*	0	0*	7	255+	7	78	0	0*	2	51*	0	0*	2	257*	0	0*	2	266*	11
	T	51	0		5		1		1		12		7		0		2		1		3		0		3		16
SOUTHAMPTON	M	2	0	0*	1	262*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	1
	F	2	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	2
	T	4	0		1		0		0		0		0		0		0		0		0		0		0		3
SOUTHWICK	M	8	0	0*	1	71*	0	0*	0	0*	0	0*	1	999*	0	0*	0	0*	4	283*	0	0*	1	505*	1	356*	0
	F	6	0	0*	1	136*	0	0*	0	0*	0	0*	2	109*	0	0*	1	128*	0	0*	1	829*	1	985*	0	0*	0
	T	14	0		2		0		0		0		3		0		1		4		1		2		1		0
SPRINGFIELD	M	282	8	89	49	101	1	75*	4	65*	47	82	0	0*	0	0*	0	0*	53	111	24	119	3	38*	13	143	80
	F	310	8	119	53	101	1	143*	8	112	28	97	79	94	4	37*	40	108	0	0*	14	167	2	32*	11	133	62
	T	592	16		102		2		12		75		79		4		40		53		38		5		24		142

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STOCKBRIDGE	M	1	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	1
	F	7	0	0*	0	0*	0	0*	0	0*	2	351*	1	55*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	4
	T	8	0		0		0		0		2		1		0		0		0		0		0		0		5
SUNDERLAND	M	4	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	1	115*	1	320*	1	999*	0	0*	1
	F	3	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	1	278*	1	271*	0	0*	0	0*	0	0*	0	0*	1
	T	7	0		0		0		0		0		0		1		1		1		1		1		0		2
TOLLAND	M	0	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0
	F	1	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	1
	T	1	0		0		0		0		0		0		0		0		0		0		0		0		1
TYRINGHAM	M	0	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0
	F	1	0	0*	0	0*	0	0*	0	0*	1	921*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0
	T	1	0		0		0		0		1		0		0		0		0		0		0		0		0
WARE	M	21	0	0*	4	108*	0	0*	0	0*	6	132	0	0*	0	0*	0	0*	3	79*	0	0*	0	0*	1	161*	7
	F	20	1	277*	2	70*	0	0*	0	0*	0	0*	4	75*	2	218*	2	82*	0	0*	1	200*	0	0*	1	148*	7
	T	41	1		6		0		0		6		4		2		2		3		1		0		2		14
WARREN	M	9	0	0*	3	182*	0	0*	0	0*	1	57*	0	0*	0	0*	0	0*	3	160*	1	148*	0	0*	0	0*	1
	F	7	1	866*	1	104*	0	0*	0	0*	0	0*	1	50*	0	0*	3	325*	0	0*	0	0*	0	0*	0	0*	1
	T	16	1		4		0		0		1		1		0		3		3		1		0		0		2
WARWICK	M	0	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0
	F	0	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0
	T	0	0		0		0		0		0		0		0		0		0		0		0		0		0
WASHINGTON	M	1	0	0*	0	0*	0	0*	0	0*	1	457*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0
	F	2	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	1	999*	1	691*	0	0*	0	0*	0	0*	0	0*	0
	T	3	0		0		0		0		1		0		1		1		0		0		0		0		0
WENDELL	M	2	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	2
	F	1	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	1	587*	0	0*	0	0*	0	0*	0	0*	0	0*	0
	T	3	0		0		0		0		0		0		1		0		0		0		0		0		2
WEST SPRINGFIELD	M	46	0	0*	14	180+	0	0*	1	100*	8	86	0	0*	0	0*	0	0*	5	68	3	90*	1	78*	1	68*	13
	F	74	1	62*	10	80	0	0*	1	59*	1	16*	21	107	1	38*	7	82	0	0*	4	194*	6	416#	2	86*	20
	T	120	1		24		0		2		9		21		1		7		5		7		7		3		33
WEST STOCKBRIDGE	M	4	0	0*	2	305*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	1	216*	1	344*	0	0*	0	0*	0
	F	0	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0
	T	4	0		2		0		0		0		0		0		0		1		1		0		0		0
WESTFIELD	M	56	2	112*	3	32*	0	0*	0	0*	13	110	1	813*	0	0*	0	0*	8	96	6	149	0	0*	1	54*	22
	F	52	1	91*	9	103	0	0*	0	0*	5	100	16	112	1	54*	7	111	0	0*	2	152*	1	95*	4	309*	6
	T	108	3		12		0		0		18		17		1		7		8		8		1		5		28

NOTE: PIR REPRESENTS PROPORTIONAL INCIDENCE RATIO (OBSERVED/EXPECTED) X 100; PIR OF 999 = PIR > 1000;
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# OR = INDICATES STATISTICAL SIGNIFICANCE AT .01 LEVEL;
* INDICATES STATISTICAL SIGNIFICANCE NOT CALCULATED WHEN OBSERVATIONS < 5;

Table 4
Cancer Incidence in HSA I Cities and Towns, 1982
(continued)

MASSACHUSETTS DEPARTMENT OF PUBLIC HEALTH CANCER REGISTRY
1982 CANCER INCIDENCE

HSA I CITY-TOWN	SEX	ALL SITES	01	PIR	02	PIR	03	PIR	04	PIR	05	PIR	06	PIR	07	PIR	08	PIR	09	PIR	10	PIR	11	PIR	12	PIR	OTHER SITES
WESTHAMPTON	M	1	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	1
	F	0	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0
	T	1	0		0		0		0		0		0		0		0		0		0		0		0		1
WHATELY	M	3	0	0*	0	0*	0	0*	2	999*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	1	999*	0
	F	1	0	0*	0	0*	0	0*	0	0*	1	807*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0
	T	4	0		0		0		2		1		0		0		0		0		0		0		1		0
WILBRAHAM	M	22	0	0*	2	54*	1	928*	0	0*	3	64*	0	0*	0	0*	0	0*	3	89*	1	63*	1	154*	0	0*	11
	F	26	1	218*	2	54*	0	0*	0	0*	0	0*	8	106	0	0*	6	182	0	0*	2	327*	0	0*	0	0*	7
	T	48	1		4		1		0		3		8		0		6		3		3		1		0		18
WILLIAMSBURG	M	5	1	723*	1	149*	0	0*	0	0*	2	249*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	1
	F	4	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	1	225*	0	0*	0	0*	0	0*	1	874*	2
	T	9	1		1		0		0		2		0		0		1		0		0		0		1		3
WILLIAMSTOWN	M	16	0	0*	3	111*	0	0*	0	0*	2	71*	0	0*	0	0*	0	0*	3	104*	1	87*	2	504*	0	0*	5
	F	20	0	0*	2	55*	0	0*	0	0*	1	54*	6	113	0	0*	4	172*	0	0*	0	0*	0	0*	0	0*	7
	T	36	0		5		0		0		3		6		0		4		3		1		2		0		12
WINDSOR	M	3	0	0*	0	0*	0	0*	0	0*	3	455*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0
	F	1	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	1	999*	0
	T	4	0		0		0		0		3		0		0		0		0		0		0		1		0
WORTHINGTON	M	0	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0
	F	0	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0
	T	0	0		0		0		0		0		0		0		0		0		0		0		0		0

NOTE: PIR REPRESENTS PROPORTIONAL INCIDENCE RATIO (OBSERVED/EXPECTED) X 100; PIR OF 999 = PIR > 1000;
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Table 5
Cancer Incidence in HSA II Cities and Towns, 1982

MASSACHUSETTS DEPARTMENT OF PUBLIC HEALTH CANCER REGISTRY
1982 CANCER INCIDENCE

HSA II CITY-TOWN	SEX	ALL SITES	01	PIR	02	PIR	03	PIR	04	PIR	05	PIR	06	PIR	07	PIR	08	PIR	09	PIR	10	PIR	11	PIR	12	PIR	OTHER SITES
ASHBURNHAM	M	7	0	0*	0	0*	0	0*	0	0*	2	171*	0	0*	0	0*	0	0*	3	206*	0	0*	0	0*	0	0*	2
	F	4	0	0*	0	0*	0	0*	0	0*	2	473*	1	89*	0	0*	1	201*	0	0*	0	0*	0	0*	0	0*	0
	T	11	0		0		0		0		4		1		0		1		3		0		0		0		2
ASHBY	M	1	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	1	999*	0
	F	5	0	0*	1	161*	0	0*	0	0*	1	280*	0	0*	1	244*	1	166*	0	0*	1	999*	0	0*	0	0*	0
	T	6	0		1		0		0		1		0		1		1		0		1		0		1		0
AUBURN	M	43	0	0*	6	81	0	0*	1	106*	8	91	0	0*	0	0*	0	0*	10	130	1	33*	0	0*	2	148*	15
	F	47	4	445*	5	70	0	0*	0	0*	4	98*	12	94	4	176*	7	124	0	0*	0	0*	0	0*	1	74*	10
	T	90	4		11		0		1		12		12		4		7		10		1		0		3		25
AYER	M	10	0	0*	1	57*	0	0*	0	0*	2	91*	0	0*	0	0*	0	0*	3	179*	1	139*	0	0*	0	0*	3
	F	8	1	578*	1	75*	0	0*	0	0*	2	297*	1	45*	0	0*	1	108*	0	0*	0	0*	0	0*	0	0*	2
	T	18	1		2		0		0		4		1		0		1		3		1		0		0		5
BARRE	M	4	0	0*	2	279*	0	0*	0	0*	1	118*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	1
	F	5	1	999*	1	176*	0	0*	0	0*	0	0*	0	0*	0	0*	2	296*	0	0*	0	0*	0	0*	0	0*	1
	T	9	1		3		0		0		1		0		0		2		0		0		0		0		2
BELLINGHAM	M	17	0	0*	2	77*	1	999*	1	282*	7	195	0	0*	0	0*	0	0*	0	0*	2	177*	1	188*	1	151*	2
	F	14	1	494*	0	0*	0	0*	0	0*	1	93*	6	146	0	0*	2	115*	0	0*	0	0*	0	0*	0	0*	4
	T	31	1		2		1		1		8		6		0		2		0		2		1		1		6
BERLIN	M	4	1	781*	0	0*	0	0*	0	0*	1	131*	0	0*	0	0*	0	0*	2	217*	0	0*	0	0*	0	0*	0
	F	5	0	0*	1	115*	0	0*	0	0*	1	188*	1	73*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	2
	T	9	1		1		0		0		2		1		0		0		2		0		0		0		2
BLACKSTONE	M	15	3	625*	2	81*	0	0*	0	0*	6	197	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	4
	F	5	0	0*	1	103*	0	0*	0	0*	0	0*	4	299*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0
	T	20	3		3		0		0		6		4		0		0		0		0		0		0		4
BOLTON	M	5	0	0*	0	0*	0	0*	0	0*	2	193*	0	0*	0	0*	0	0*	0	0*	1	303*	0	0*	0	0*	2
	F	4	0	0*	0	0*	0	0*	0	0*	0	0*	3	232*	0	0*	1	175*	0	0*	0	0*	0	0*	0	0*	0
	T	9	0		0		0		0		2		3		0		1		0		1		0		0		2
BOYLSTON	M	5	0	0*	0	0*	0	0*	0	0*	1	111*	0	0*	0	0*	0	0*	1	143*	1	286*	0	0*	0	0*	2
	F	13	0	0*	3	172*	0	0*	0	0*	1	80*	2	63*	0	0*	3	184*	0	0*	0	0*	0	0*	0	0*	4
	T	18	0		3		0		0		2		2		0		3		1		1		0		0		6
BRIMFIELO	M	5	1	678*	0	0*	0	0*	1	980*	0	0*	0	0*	0	0*	0	0*	2	216*	0	0*	0	0*	1	537*	0
	F	2	0	0*	1	276*	0	0*	0	0*	0	0*	1	181*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0
	T	7	1		1		0		1		0		1		0		0		2		0		0		1		0
BROOKFIELD	M	8	1	399*	1	75*	1	999*	0	0*	2	139*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	3
	F	7	0	0*	2	163*	0	0*	0	0*	0	0*	1	52*	2	999*	1	117*	0	0*	0	0*	0	0*	0	0*	1
	T	15	1		3		1		0		2		1		2		1		0		0		0		0		4

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Table 5
Cancer Incidence in HSA II Cities and Towns, 1982
(continued)

MASSACHUSETTS DEPARTMENT OF PUBLIC HEALTH CANCER REGISTRY
1982 CANCER INCIDENCE

HSA II CITY-TOWN	SEX	ALL SITES	01	PIR	02	PIR	03	PIR	04	PIR	05	PIR	06	PIR	07	PIR	08	PIR	09	PIR	10	PIR	11	PIR	12	PIR	OTHER SITES
CHARLTON	M	9	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	3	247*	0	0*	1	415*	0	0*	5
	F	9	0	0*	1	66*	0	0*	1	475*	1	112*	1	39*	0	0*	3	275*	0	0*	0	0*	0	0*	1	452*	1
	T	18	0		1		0		1		1		1		0		3		3		0		1		1		6
CLINTON	M	37	0	0*	5	81	0	0*	2	249*	8	105	0	0*	0	0*	0	0*	7	113	4	152*	2	188*	0	0*	9
	F	38	0	0*	2	32*	0	0*	2	232*	9	243+	14	132	0	0*	4	86*	0	0*	0	0*	1	133*	0	0*	6
	T	75	0		7		0		4		17		14		0		4		7		4		3		0		15
DOUGLAS	M	12	1	266*	0	0*	0	0*	1	382*	2	82*	0	0*	0	0*	0	0*	3	155*	2	240*	0	0*	0	0*	3
	F	4	1	999*	1	133*	0	0*	0	0*	0	0*	1	96*	0	0*	1	209*	0	0*	0	0*	0	0*	0	0*	0
	T	16	2		1		0		1		2		1		0		1		3		2		0		0		3
DUDLEY	M	25	1	129*	2	45*	0	0*	0	0*	3	60*	0	0*	0	0*	0	0*	6	132	4	228*	0	0*	0	0*	9
	F	24	0	0*	5	142	0	0*	0	0*	1	45*	5	74	3	251*	2	67*	0	0*	2	349*	1	216*	0	0*	5
	T	49	1		7		0		0		4		5		3		2		6		6		1		0		14
EAST BROOKFIELD	M	2	0	0*	1	294*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	1	247*	0	0*	0	0*	0	0*	0
	F	3	0	0*	1	164*	0	0*	0	0*	0	0*	0	0*	0	0*	2	622*	0	0*	0	0*	0	0*	0	0*	0
	T	5	0		2		0		0		0		0		0		2		1		0		0		0		0
FITCHBURG	M	86	1	38*	11	78	2	471*	4	217*	24	137	0	0*	0	0*	0	0*	12	96	5	84	0	0*	3	99*	24
	F	110	4	160*	14	72	0	0*	5	191	9	91	29	99	5	140	15	117	0	0*	2	63*	4	181*	4	129*	19
	T	196	5		25		2		9		33		29		5		15		12		7		4		7		43
FRANKLIN	M	28	0	0*	4	87*	0	0*	2	339*	6	104	0	0*	0	0*	0	0*	4	86*	1	53*	0	0*	1	100*	10
	F	18	0	0*	7	223	0	0*	1	234*	1	60*	3	61*	0	0*	3	142*	0	0*	0	0*	1	280*	0	0*	2
	T	46	0		11		0		3		7		3		0		3		4		1		1		1		12
GARDNER	M	40	0	0*	5	75	0	0*	0	0*	8	113	0	0*	0	0*	0	0*	8	110	4	142*	1	99*	3	200*	11
	F	52	4	325*	5	53	0	0*	2	158*	7	156	10	72	1	56*	11	186	0	0*	3	188*	1	96*	0	0*	8
	T	92	4		10		0		2		15		10		1		11		8		7		2		3		19
GRAFTON	M	19	0	0*	1	32*	0	0*	0	0*	7	176	0	0*	0	0*	0	0*	2	66*	0	0*	1	180*	2	336*	6
	F	23	0	0*	2	68*	0	0*	0	0*	1	60*	7	113	0	0*	2	73*	0	0*	0	0*	1	245*	0	0*	10
	T	42	0		3		0		0		8		7		0		2		2		0		2		2		16
GROTON	M	7	0	0*	1	101*	0	0*	0	0*	2	171*	0	0*	0	0*	0	0*	1	129*	0	0*	1	520*	0	0*	2
	F	8	1	514*	1	67*	0	0*	0	0*	2	266*	3	140*	0	0*	0	0*	0	0*	0	0*	0	0*	1	464*	0
	T	15	1		2		0		0		4		3		0		0		1		0		1		1		2
HARDWICK	M	4	0	0*	0	0*	0	0*	0	0*	3	321*	0	0*	0	0*	0	0*	1	172*	0	0*	0	0*	0	0*	0
	F	8	0	0*	2	131*	0	0*	1	480*	0	0*	1	48*	0	0*	0	0*	0	0*	0	0*	1	563*	1	459*	2
	T	12	0		2		0		1		3		1		0		0		1		0		1		1		2
HARVARD	M	5	0	0*	2	201*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	1	89*	0	0*	0	0*	0	0*	2
	F	7	0	0*	1	133*	0	0*	0	0*	0	0*	1	55*	1	304*	1	114*	0	0*	1	829*	0	0*	0	0*	2
	T	12	0		3		0		0		0		1		1		1		1		1		0		0		4

NOTE: PIR REPRESENTS PROPORTIONAL INCIDENCE RATIO (OBSERVED/EXPECTED) X 100; PIR OF 999 = PIR > 1000;
+ OR - INDICATES STATISTICAL SIGNIFICANCE AT .05 LEVEL;
# OR = INDICATES STATISTICAL SIGNIFICANCE AT .01 LEVEL;
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Table 5
Cancer Incidence in HSA II Cities and Towns, 1982
(continued)

MASSACHUSETTS DEPARTMENT OF PUBLIC HEALTH CANCER REGISTRY
1982 CANCER INCIDENCE

HSA II CITY-TOWN	SEX	ALL SITES	01	PIR	02	PIR	03	PIR	04	PIR	05	PIR	06	PIR	07	PIR	08	PIR	09	PIR	10	PIR	11	PIR	12	PIR	OTHER SITES
HOLDEN	M	29	1	109*	6	122	1	716*	0	0*	4	65*	0	0*	0	0*	0	0*	8	157	2	98*	0	0*	1	113*	6
	F	52	3	275*	10	117	1	885*	1	85*	1	20*	15	103	2	113*	7	110	0	0*	0	0*	1	97*	1	79*	10
	T	81	4		16		2		1		5		15		2		7		8		2		1		2		16
HOLLAND	M	1	0	0*	0	0*	0	0*	0	0*	1	614*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0
	F	0	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0
	T	1	0		0		0		0		1		0		0		0		0		0		0		0		0
HOPEDALE	M	11	2	608*	1	58*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	3	188*	1	139*	1	317*	0	0*	3
	F	12	0	0*	1	42*	0	0*	0	0*	1	85*	5	164	0	0*	3	214*	0	0*	1	274*	0	0*	0	0*	1
	T	23	2		2		0		0		1		5		0		3		3		2		1		0		4
HUBBARDSTON	M	3	0	0*	1	246*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	1	999*	0	0*	1
	F	1	0	0*	0	0*	0	0*	0	0*	0	0*	1	405*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0
	T	4	0		1		0		0		0		1		0		0		0		0		1		0		1
LANCASTER	M	7	1	467*	0	0*	0	0*	0	0*	3	212*	0	0*	0	0*	0	0*	1	108*	0	0*	0	0*	0	0*	2
	F	7	0	0*	2	174*	0	0*	0	0*	1	159*	1	52*	0	0*	1	120*	0	0*	0	0*	0	0*	1	571*	1
	T	14	1		2		0		0		4		1		0		1		1		0		0		1		3
LEICESTER	M	23	2	307*	8	240+	0	0*	0	0*	4	96*	0	0*	0	0*	0	0*	3	101*	0	0*	0	0*	1	95*	5
	F	25	0	0*	3	79*	0	0*	2	386*	2	85*	12	177	0	0*	2	65*	0	0*	0	0*	0	0*	1	126*	3
	T	48	2		11		0		2		6		12		0		2		3		0		0		2		8
LEOMINSTER	M	67	4	189*	15	135	0	0*	1	69*	17	122	0	0*	0	0*	0	0*	7	68	2	43*	0	0*	2	93*	19
	F	65	0	0*	14	133	1	633*	0	0*	8	145	16	92	6	212	4	53*	0	0*	2	116*	0	0*	2	108*	12
	T	132	4		29		1		1		25		16		6		4		7		4		0		4		31
LUNENBURG	M	12	0	0*	4	198*	0	0*	0	0*	3	122*	0	0*	0	0*	0	0*	2	110*	1	119*	0	0*	1	256*	1
	F	5	0	0*	0	0*	0	0*	0	0*	2	331*	3	195*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0
	T	17	0		4		0		0		5		3		0		0		2		1		0		1		1
MEDWAY	M	21	1	155*	3	84*	0	0*	1	227*	2	54*	0	0*	0	0*	0	0*	3	77*	1	69*	2	383*	1	134*	7
	F	20	0	0*	3	75*	0	0*	0	0*	2	129*	6	120	1	148*	3	141*	0	0*	0	0*	1	242*	0	0*	4
	T	41	1		6		0		1		4		6		1		3		3		1		3		1		11
MENDON	M	3	1	999*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	1	202*	1	485*	0	0*	0	0*	0
	F	1	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	1	999*	0	0*	0
	T	4	1		0		0		0		0		0		0		0		1		1		1		0		0
MILFORD	M	44	3	212*	11	144	1	497*	0	0*	10	113	0	0*	0	0*	0	0*	6	77	4	125*	1	84*	0	0*	8
	F	38	4	509*	1	16*	0	0*	1	118*	3	84*	14	132	2	141*	3	65*	0	0*	0	0*	1	137*	0	0*	9
	T	82	7		12		1		1		13		14		2		3		6		4		2		0		17
MILLBURY	M	31	0	0*	7	136	0	0*	0	0*	5	76	0	0*	0	0*	0	0*	6	127	1	46*	2	218*	1	102*	9
	F	29	1	153*	6	119	0	0*	0	0*	1	42*	7	91	2	162*	4	120*	0	0*	0	0*	2	347*	1	130*	5
	T	60	1		13		0		0		6		7		2		4		6		1		4		2		14

NOTE: PIR REPRESENTS PROPORTIONAL INCIDENCE RATIO (OBSERVED/EXPECTED) X 100; PIR OF 999 = PIR > 1000;
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Table 5
Cancer Incidence in HSA II Cities and Towns, 1982
(continued)

MASSACHUSETTS DEPARTMENT OF PUBLIC HEALTH CANCER REGISTRY
1982 CANCER INCIDENCE

HSA II CITY-TOWN	SEX	ALL SITES	01	PIR	02	PIR	03	PIR	04	PIR	05	PIR	06	PIR	07	PIR	08	PIR	09	PIR	10	PIR	11	PIR	12	PIR	OTHER SITES
MILLVILLE	M	1	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	1	999*	0
	F	2	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	1	999*	0	0*	0	0*	1
	T	3	0		0		0		0		0		0		0		0		0		1		0		1		1
NEW BRAINTREE	M	3	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	1	341*	0	0*	0	0*	0	0*	2
	F	1	0	0*	1	883*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0
	T	4	0		1		0		0		0		0		0		0		1		0		0		0		2
NORTH BROOKFIELD	M	3	0	0*	0	0*	0	0*	0	0*	1	166*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	2
	F	11	0	0*	4	193*	0	0*	0	0*	0	0*	3	107*	0	0*	1	79*	0	0*	0	0*	0	0*	0	0*	3
	T	14	0		4		0		0		1		3		0		1		0		0		0		0		5
NORTHBRIDGE	M	17	0	0*	4	147*	0	0*	2	548*	1	28*	0	0*	0	0*	0	0*	3	128*	2	174*	0	0*	0	0*	5
	F	25	0	0*	5	109	0	0*	0	0*	2	88*	9	135	2	277*	2	69*	0	0*	0	0*	2	391*	1	148*	2
	T	42	0		9		0		2		3		9		2		2		3		2		2		1		7
OAKHAM	M	3	0	0*	1	184*	0	0*	0	0*	1	159*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	1
	F	1	0	0*	0	0*	0	0*	0	0*	0	0*	1	435*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0
	T	4	0		1		0		0		1		1		0		0		0		0		0		0		1
OXFORD	M	25	2	262*	3	72*	0	0*	0	0*	5	101	0	0*	0	0*	0	0*	4	94*	3	175*	0	0*	2	218*	6
	F	20	1	223*	1	29*	0	0*	0	0*	2	111*	6	112	4	538*	4	170*	0	0*	0	0*	0	0*	1	192*	1
	T	45	3		4		0		0		7		6		4		4		4		3		0		3		7
PAXTON	M	3	0	0*	1	180*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	1	150*	0	0*	0	0*	0	0*	1
	F	6	0	0*	0	0*	0	0*	0	0*	0	0*	3	162*	0	0*	2	245*	0	0*	0	0*	0	0*	0	0*	1
	T	9	0		1		0		0		0		3		0		2		1		0		0		0		2
PEPPERELL	M	5	0	0*	2	256*	0	0*	0	0*	1	159*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	1	509*	1
	F	9	0	0*	0	0*	0	0*	0	0*	0	0*	5	186	0	0*	1	88*	0	0*	0	0*	1	663*	1	533*	1
	T	14	0		2		0		0		1		5		0		1		0		0		1		2		2
PRINCETON	M	2	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	1	438*	1
	F	2	0	0*	0	0*	0	0*	0	0*	0	0*	2	317*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0
	T	4	0		0		0		0		0		2		0		0		0		0		0		1		1
RUTLAND	M	11	0	0*	4	205*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	3	165*	1	124*	0	0*	0	0*	3
	F	6	0	0*	0	0*	0	0*	0	0*	0	0*	2	114*	1	577*	3	400*	0	0*	0	0*	0	0*	0	0*	0
	T	17	0		4		0		0		0		2		1		3		3		1		0		0		3
SHIRLEY	M	9	0	0*	2	124*	0	0*	0	0*	3	166*	0	0*	0	0*	0	0*	2	110*	0	0*	1	421*	0	0*	1
	F	6	1	844*	1	109*	0	0*	0	0*	0	0*	2	120*	1	340*	0	0*	0	0*	0	0*	0	0*	0	0*	1
	T	15	1		3		0		0		3		2		1		0		2		0		1		0		2
SHREWSBURY	M	51	2	124*	6	70	0	0*	1	90*	13	124	0	0*	0	0*	0	0*	13	164	5	137	1	68*	1	58*	9
	F	57	2	181*	8	92	0	0*	2	170*	6	123	17	112	0	0*	7	103	0	0*	1	70*	1	91*	2	111*	11
	T	108	4		14		0		3		19		17		0		7		13		6		2		3		20

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Table 5
Cancer Incidence in HSA II Cities and Towns, 1982
(continued)

MASSACHUSETTS DEPARTMENT OF PUBLIC HEALTH CANCER REGISTRY
1982 CANCER INCIDENCE

HSA II CITY-TOWN	SEX	ALL SITES	01	PIR	02	PIR	03	PIR	04	PIR	05	PIR	06	PIR	07	PIR	08	PIR	09	PIR	10	PIR	11	PIR	12	PIR	OTHER SITES
SOUTHBRIDGE	M	52	1	60*	7	76	0	0*	1	87*	12	117	0	0*	0	0*	0	0*	8	83	8	210	2	148*	1	60*	12
	F	41	0	0*	9	117	0	0*	0	0*	5	132	9	83	2	187*	5	106	0	0*	1	79*	0	0*	0	0*	10
	T	93	1		16		0		1		17		9		2		5		8		9		2		1		22
SPENCER	M	21	0	0*	2	53*	0	0*	0	0*	6	133	0	0*	0	0*	0	0*	6	164	2	131*	1	169*	2	318*	2
	F	15	0	0*	8	259+	0	0*	0	0*	1	76*	2	53*	0	0*	2	122*	0	0*	0	0*	0	0*	0	0*	2
	T	36	0		10		0		0		7		2		0		2		6		2		1		2		4
STERLING	M	6	0	0*	1	105*	0	0*	0	0*	1	86*	0	0*	0	0*	0	0*	3	357*	0	0*	0	0*	0	0*	1
	F	5	0	0*	1	115*	0	0*	1	835*	0	0*	1	73*	1	809*	1	161*	0	0*	0	0*	0	0*	0	0*	0
	T	11	0		2		0		1		1		1		1		1		3		0		0		0		1
STURBRIDGE	M	19	0	0*	2	60*	0	0*	0	0*	2	52*	1	999*	0	0*	0	0*	6	179	3	226*	1	188*	0	0*	4
	F	15	0	0*	0	0*	0	0*	0	0*	1	64*	5	120	0	0*	1	54*	0	0*	0	0*	5	999#	1	275*	2
	T	34	0		2		0		0		3		6		0		1		6		3		6		1		6
SUTTON	M	9	0	0*	1	73*	0	0*	0	0*	1	59*	0	0*	0	0*	0	0*	1	72*	0	0*	0	0*	0	0*	6
	F	16	2	591*	4	152*	0	0*	0	0*	2	131*	3	67*	2	360*	0	0*	0	0*	1	217*	1	315*	0	0*	1
	T	25	2		5		0		0		3		3		2		0		1		1		1		0		7
TEMPLETON	M	8	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	1	94*	4	715*	0	0*	1	370*	2
	F	10	0	0*	1	43*	0	0*	1	322*	0	0*	4	172*	0	0*	3	312*	0	0*	0	0*	0	0*	0	0*	1
	T	18	0		1		0		1		0		4		0		3		1		4		0		1		3
TOWNSEND	M	9	0	0*	2	127*	0	0*	0	0*	4	203*	0	0*	0	0*	0	0*	2	121*	0	0*	0	0*	0	0*	1
	F	5	1	957*	0	0*	0	0*	0	0*	1	198*	2	140*	0	0*	1	165*	0	0*	0	0*	0	0*	0	0*	0
	T	14	1		2		0		0		5		2		0		1		2		0		0		0		1
UPTON	M	4	0	0*	2	279*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	1	353*	0	0*	0	0*	1
	F	10	0	0*	2	104*	0	0*	2	769*	0	0*	3	114*	0	0*	0	0*	0	0*	1	368*	0	0*	0	0*	2
	T	14	0		4		0		2		0		3		0		0		0		2		0		0		3
UXBRIDGE	M	28	1	116*	3	65*	0	0*	0	0*	6	113	0	0*	0	0*	0	0*	4	86*	0	0*	0	0*	2	190*	12
	F	21	0	0*	6	166	0	0*	0	0*	2	101*	2	35*	1	149*	2	80*	0	0*	2	335*	0	0*	2	375*	4
	T	49	1		9		0		0		8		2		1		2		4		2		0		4		16
WALES	M	2	0	0*	1	311*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	1
	F	0	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0
	T	2	0		1		0		0		0		0		0		0		0		0		0		0		1
WEBSTER	M	22	0	0*	5	134	0	0*	0	0*	4	89*	0	0*	0	0*	0	0*	6	153	2	129*	1	160*	0	0*	4
	F	34	1	150*	9	174	0	0*	0	0*	2	74*	8	88	0	0*	2	50*	0	0*	2	219*	1	157*	2	190*	7
	T	56	1		14		0		0		6		8		0		2		6		4		2		2		11
WEST BOYLSTON	M	17	0	0*	4	136*	0	0*	0	0*	8	210	0	0*	0	0*	0	0*	3	109*	1	83*	1	193*	0	0*	0
	F	14	0	0*	3	145*	0	0*	0	0*	1	92*	6	166	0	0*	1	62*	0	0*	0	0*	0	0*	1	181*	2
	T	31	0		7		0		0		9		6		0		1		3		1		1		1		2

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Table 5
Cancer Incidence in HSA II Cities and Towns, 1982
(continued)

MASSACHUSETTS DEPARTMENT OF PUBLIC HEALTH CANCER REGISTRY
1982 CANCER INCIDENCE

HSA II CITY-TOWN	SEX	ALL SITES	01	PIR	02	PIR	03	PIR	04	PIR	05	PIR	06	PIR	07	PIR	08	PIR	09	PIR	10	PIR	11	PIR	12	PIR	OTHER SITES
WEST BROOKFIELD	M	5	0	0*	1	107*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	1	89*	0	0*	0	0*	0	0*	3
	F	7	0	0*	1	76*	0	0*	0	0*	0	0*	3	159*	0	0*	2	254*	0	0*	0	0*	0	0*	0	0*	1
	T	12	0		2		0		0		0		3		0		2		1		0		0		0		4
WESTMINSTER	M	11	0	0*	2	101*	0	0*	0	0*	2	86*	0	0*	0	0*	0	0*	1	53*	0	0*	1	330*	2	601*	3
	F	8	0	0*	1	66*	0	0*	0	0*	1	128*	2	96*	0	0*	0	0*	0	0*	1	400*	0	0*	1	459*	2
	T	19	0		3		0		0		3		2		0		0		1		1		1		3		5
WINCHENDON	M	17	0	0*	3	106*	0	0*	0	0*	6	164	0	0*	0	0*	0	0*	2	84*	2	165*	1	196*	0	0*	3
	F	13	1	348*	5	229	0	0*	1	342*	1	97*	2	57*	1	167*	0	0*	0	0*	0	0*	0	0*	1	293*	1
	T	30	1		8		0		1		7		2		1		0		2		2		1		1		4
WORCESTER	M	390	16	129	58	86	3	169*	5	59	94	122	1	148*	0	0*	0	0*	68	96	21	75	8	76	12	94	104
	F	479	9	80	78	91	1	90*	10	86	34	81	138	108	16	103	69	126	0	0*	7	48	11	115	16	119	90
	T	869	25		136		4		15		128		139		16		69		68		28		19		28		194

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Table 6
Cancer Incidence in HSA III Cities and Towns, 1982

MASSACHUSETTS DEPARTMENT OF PUBLIC HEALTH CANCER REGISTRY
1982 CANCER INCIDENCE

HSA III CITY-TOWN	SEX	ALL SITES	01	PIR	02	PIR	03	PIR	04	PIR	05	PIR	06	PIR	07	PIR	08	PIR	09	PIR	10	PIR	11	PIR	12	PIR	OTHER SITES
AMESBURY	M	24	2	265*	3	72*	0	0*	0	0*	6	132	0	0*	0	0*	0	0*	3	67*	1	59*	2	321*	0	0*	7
	F	26	0	0*	2	48*	0	0*	0	0*	4	151*	8	109	0	0*	7	216	0	0*	0	0*	1	196*	0	0*	4
	T	50	2		5		0		0		10		8		0		7		3		1		3		0		11
ANDOVER	M	50	2	124*	9	104	0	0*	0	0*	6	58	1	950*	0	0*	0	0*	11	135	3	82*	2	143*	1	64*	15
	F	42	2	238*	6	91	1	999*	1	112*	2	55*	12	104	2	99*	4	80*	0	0*	1	95*	1	123*	0	0*	10
	T	92	4		15		1		1		8		13		2		4		11		4		3		1		25
BILLERICA	M	49	2	132*	6	74	0	0*	1	97*	13	138	0	0*	0	0*	0	0*	9	110	6	176	1	74*	0	0*	11
	F	46	1	113*	3	43*	0	0*	1	107*	6	157	18	141	1	39*	4	73*	0	0*	1	89*	1	115*	2	179*	8
	T	95	3		9		0		2		19		18		1		4		9		7		2		2		19
BOXFORD	M	6	0	0*	0	0*	0	0*	0	0*	1	87*	0	0*	0	0*	0	0*	2	166*	2	435*	0	0*	0	0*	1
	F	5	0	0*	1	127*	0	0*	1	911*	0	0*	2	138*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	1
	T	11	0		1		0		1		1		2		0		0		2		2		0		0		2
CHELMSFORD	M	47	0	0*	8	100	1	437*	0	0*	6	61	0	0*	0	0*	0	0*	8	108	4	122*	2	147*	1	67*	17
	F	47	0	0*	4	59*	0	0*	3	327*	3	75*	17	130	4	169*	4	71*	0	0*	0	0*	2	233*	4	305*	6
	T	94	0		12		1		3		9		17		4		4		8		4		4		5		23
DRACUT	M	35	0	0*	9	151	0	0*	0	0*	8	110	0	0*	0	0*	0	0*	5	93	2	79*	1	100*	2	180*	8
	F	34	1	158*	7	139	0	0*	1	144*	3	93*	10	102	0	0*	3	71*	0	0*	1	119*	0	0*	1	128*	7
	T	69	1		16		0		1		11		10		0		3		5		3		1		3		15
DUNSTABLE	M	3	0	0*	0	0*	0	0*	0	0*	1	140*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	2
	F	1	0	0*	0	0*	0	0*	0	0*	1	807*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0
	T	4	0		0		0		0		2		0		0		0		0		0		0		0		2
GEORGETOWN	M	9	0	0*	1	65*	0	0*	0	0*	1	49*	0	0*	0	0*	0	0*	2	154*	2	308*	0	0*	0	0*	3
	F	10	0	0*	1	62*	0	0*	0	0*	1	111*	3	113*	0	0*	1	82*	0	0*	0	0*	1	467*	0	0*	3
	T	19	0		2		0		0		2		3		0		1		2		2		1		0		6
GROVELAND	M	9	0	0*	1	73*	1	999*	0	0*	0	0*	0	0*	0	0*	0	0*	1	72*	0	0*	0	0*	1	269*	5
	F	6	0	0*	1	131*	0	0*	0	0*	1	162*	1	56*	1	318*	1	125*	0	0*	1	815*	0	0*	0	0*	0
	T	15	0		2		1		0		1		1		1		1		1		1		0		1		5
HAVERHILL	M	99	3	94*	15	87	1	223*	4	185*	22	111	1	551*	0	0*	0	0*	14	78	11	152	1	37*	3	96*	24
	F	98	1	44*	14	80	1	464*	4	170*	8	94	27	103	5	141	12	106	0	0*	5	175	1	51*	2	77*	18
	T	197	4		29		2		8		30		28		5		12		14		16		2		5		42
LAWRENCE	M	130	6	145	32	143	0	0*	3	105*	31	115	0	0*	0	0*	0	0*	19	87	4	43*	2	54*	2	49*	31
	F	142	6	185	24	96	0	0*	5	150	12	102	43	116	3	55*	11	68	0	0*	3	73*	5	177	4	95*	26
	T	272	12		56		0		8		43		43		3		11		19		7		7		6		57
LOWELL	M	187	8	134	23	72	2	226*	2	49*	44	114	0	0*	0	0*	0	0*	22	71	15	112	6	113	3	50*	62
	F	184	4	102*	31	102	0	0*	2	48*	16	96	52	105	3	46*	22	101	0	0*	6	117	11	301#	3	55*	34
	T	371	12		54		2		4		60		52		3		22		22		21		17		6		96

NOTE: PIR REPRESENTS PROPORTIONAL INCIDENCE RATIO (OBSERVED/EXPECTED) X 100; PIR OF 999 = PIR > 1000;
+ OR - INDICATES STATISTICAL SIGNIFICANCE AT .05 LEVEL;
# OR = INDICATES STATISTICAL SIGNIFICANCE AT .01 LEVEL;
* INDICATES STATISTICAL SIGNIFICANCE NOT CALCULATED WHEN OBSERVATIONS < 5;

Table 6
Cancer Incidence in HSA III Cities and Towns, 1982
(continued)

MASSACHUSETTS DEPARTMENT OF PUBLIC HEALTH CANCER REGISTRY
1982 CANCER INCIDENCE

HSA III CITY-TOWN	SEX	ALL SITES	01	PIR	02	PIR	03	PIR	04	PIR	05	PIR	06	PIR	07	PIR	08	PIR	09	PIR	10	PIR	11	PIR	12	PIR	OTHER SITES
MERRIMAC	M	10	0	0*	1	55*	0	0*	0	0*	2	96*	0	0*	0	0*	0	0*	1	51*	3	422*	0	0*	0	0*	3
	F	9	0	0*	0	0*	0	0*	1	468*	0	0*	3	126*	0	0*	1	96*	0	0*	1	436*	0	0*	1	421*	2
	T	19	0		1		0		1		2		3		0		1		1		4		0		1		5
METHUEN	M	87	4	144*	16	107	0	0*	4	210*	14	77	0	0*	0	0*	0	0*	9	61	12	193+	0	0*	2	72*	26
	F	91	1	52*	18	118	0	0*	5	242	12	142	25	101	0	0*	12	110	0	0*	1	41*	1	54*	2	87*	14
	T	178	5		34		0		9		26		25		0		12		9		13		1		4		40
NEWBURY	M	7	0	0*	2	160*	0	0*	0	0*	2	143*	0	0*	0	0*	0	0*	0	0*	1	185*	0	0*	0	0*	2
	F	13	1	466*	0	0*	0	0*	0	0*	1	77*	3	80*	0	0*	2	119*	0	0*	0	0*	0	0*	0	0*	6
	T	20	1		2		0		0		3		3		0		2		0		1		0		0		8
NEWBURYPORT	M	20	1	156*	5	151	0	0*	0	0*	8	181	0	0*	0	0*	0	0*	2	76*	2	139*	0	0*	0	0*	2
	F	47	0	0*	14	172	0	0*	2	182*	4	95*	9	70	3	175*	5	91	0	0*	3	239*	2	220*	0	0*	5
	T	67	1		19		0		2		12		9		3		5		2		5		2		0		7
NORTH ANDOVER	M	38	1	85*	7	109	0	0*	1	122*	8	108	0	0*	0	0*	0	0*	2	32*	0	0*	1	95*	2	157*	16
	F	39	1	111*	9	131	0	0*	0	0*	3	87*	6	57	1	74*	6	133	0	0*	0	0*	0	0*	0	0*	13
	T	77	2		16		0		1		11		6		1		6		2		0		1		2		29
ROWLEY	M	3	0	0*	0	0*	0	0*	0	0*	1	146*	0	0*	0	0*	0	0*	2	405*	0	0*	0	0*	0	0*	0
	F	8	0	0*	1	128*	0	0*	0	0*	0	0*	0	0*	1	109*	1	109*	0	0*	0	0*	0	0*	4	999*	1
	T	11	0		1		0		0		1		0		1		1		2		0		0		4		1
SALISBURY	M	10	0	0*	1	62*	0	0*	0	0*	3	141*	0	0*	0	0*	0	0*	2	153*	1	145*	0	0*	0	0*	3
	F	7	0	0*	1	99*	0	0*	0	0*	0	0*	2	100*	0	0*	2	225*	0	0*	0	0*	0	0*	0	0*	2
	T	17	0		2		0		0		3		2		0		2		2		1		0		0		5
TEWKSBURY	M	27	0	0*	4	95*	0	0*	0	0*	12	234#	0	0*	0	0*	0	0*	1	27*	2	111*	2	258*	1	104*	5
	F	36	0	0*	6	124	0	0*	1	150*	4	116*	11	104	1	53*	2	44*	0	0*	1	125*	2	307*	0	0*	8
	T	63	0		10		0		1		16		11		1		2		1		3		4		1		13
TYNGSBOROUGH	M	8	0	0*	1	72*	0	0*	0	0*	2	127*	0	0*	0	0*	0	0*	1	64*	0	0*	0	0*	1	406*	3
	F	9	1	506*	1	66*	1	999*	1	485*	0	0*	0	0*	0	0*	3	286*	0	0*	0	0*	1	568*	0	0*	1
	T	17	1		2		1		1		2		0		0		3		1		0		1		1		4
WEST NEWBURY	M	5	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	1	258*	0	0*	1	649*	3
	F	1	0	0*	1	883*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0
	T	6	0		1		0		0		0		0		0		0		0		1		0		1		3
WESTFORD	M	22	0	0*	3	77*	0	0*	1	200*	6	126	0	0*	0	0*	0	0*	1	28*	3	187*	3	475*	3	457*	2
	F	16	0	0*	3	123*	0	0*	0	0*	0	0*	4	89*	0	0*	4	212*	0	0*	1	228*	0	0*	0	0*	4
	T	38	0		6		0		1		6		4		0		4		1		4		3		3		6

NOTE: PIR REPRESENTS PROPORTIONAL INCIDENCE RATIO (OBSERVED/EXPECTED) X 100; PIR OF 999 = PIR > 1000;
+ OR - INDICATES STATISTICAL SIGNIFICANCE AT .05 LEVEL;
# OR = INDICATES STATISTICAL SIGNIFICANCE AT .01 LEVEL;
* INDICATES STATISTICAL SIGNIFICANCE NOT CALCULATED WHEN OBSERVATIONS < 5;

Table 7
Cancer Incidence in HSA IV Cities and Towns, 1982

MASSACHUSETTS DEPARTMENT OF PUBLIC HEALTH CANCER REGISTRY
1982 CANCER INCIDENCE

HSA IV CITY-TOWN	SEX	ALL SITES	01	PIR	02	PIR	03	PIR	04	PIR	05	PIR	06	PIR	07	PIR	08	PIR	09	PIR	10	PIR	11	PIR	12	PIR	OTHER SITES
ACTON	M	12	0	0*	2	119*	0	0*	0	0*	2	108*	0	0*	0	0*	0	0*	2	127*	0	0*	0	0*	0	0*	6
	F	14	0	0*	4	165*	0	0*	1	302*	2	161*	5	132	0	0*	1	61*	0	0*	0	0*	0	0*	0	0*	1
	T	26	0		6		0		1		4		5		0		1		2		0		0		0		7
ARLINGTON	M	139	6	136	21	87	1	152*	3	99*	29	102	0	0*	0	0*	0	0*	24	98	11	111	5	129	3	67*	36
	F	152	4	117*	31	117	0	0*	2	56*	5	37-	44	108	4	75*	19	108	0	0*	3	70*	4	133*	5	120	31
	T	291	10		52		1		5		34		44		4		19		24		14		9		8		67
ASHLAND	M	17	1	189*	3	108*	0	0*	1	270*	2	58*	0	0*	0	0*	0	0*	4	171*	1	84*	1	203*	0	0*	4
	F	19	0	0*	2	75*	0	0*	0	0*	3	154*	4	76*	1	154*	5	205	0	0*	1	246*	0	0*	0	0*	3
	T	36	1		5		0		1		5		4		1		5		4		2		1		0		7
BEDFORD	M	27	0	0*	8	190	0	0*	0	0*	6	101	0	0*	0	0*	0	0*	3	92*	1	55*	0	0*	1	95*	8
	F	25	1	180*	4	94*	0	0*	1	174*	3	142*	9	133	0	0*	1	35*	0	0*	0	0*	1	206*	0	0*	5
	T	52	1		12		0		1		9		9		0		1		3		1		1		1		13
BELMONT	M	47	1	65*	9	105	0	0*	0	0*	6	69	0	0*	0	0*	0	0*	14	136	3	85*	2	179*	3	199*	9
	F	76	0	0*	14	104	0	0*	6	329#	5	72	21	103	2	80*	7	79	0	0*	3	142*	1	65*	2	101*	15
	T	123	1		23		0		6		11		21		2		7		14		6		3		5		24
BOSTON	M	1089	39	113	172	92	4	81*	26	110	216	100	1	49*	0	0*	0	0*	182	96	64	82	31	105	42	117	312
	F	1127	31	124	202	104	2	80*	22	84	109	108	271	89	41	100	112	85	0	0*	30	95	21	93	20	67	266
	T	2216	70		374		6		48		325		272		41		112		182		94		52		62		578
BOXBOROUGH	M	2	0	0*	0	0*	0	0*	0	0*	1	363*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	1	999*	0
	F	5	0	0*	2	214*	0	0*	1	784*	0	0*	2	149*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0
	T	7	0		2		0		1		1		2		0		0		0		0		0		1		0
BRAINTREE	M	81	3	117*	14	102	0	0*	2	114*	19	112	0	0*	0	0*	0	0*	20	144	3	52*	1	43*	1	38*	18
	F	99	0	0*	10	69	0	0*	5	252	12	133	33	120	8	176	11	90	0	0*	2	81*	1	52*	0	0*	17
	T	180	3		24		0		7		31		33		8		11		20		5		2		1		35
BROOKLINE	M	117	5	134	25	123	2	394*	0	0*	16	71	0	0*	0	0*	0	0*	21	95	3	35*	7	230+	3	79*	35
	F	137	2	62*	25	101	0	0*	3	90*	10	86	33	92	6	123	14	90	0	0*	2	50*	4	145*	4	101*	34
	T	254	7		50		2		3		26		33		6		14		21		5		11		7		69
BURLINGTON	M	36	2	172*	7	110	1	563*	0	0*	8	103	0	0*	0	0*	0	0*	5	81	2	77*	3	290*	0	0*	8
	F	28	1	248*	5	149	0	0*	0	0*	5	200	9	117	0	0*	1	28*	0	0*	0	0*	0	0*	2	200*	5
	T	64	3		12		1		0		13		9		0		1		5		2		3		2		13
CAMBRIDGE	M	166	2	38*	26	94	2	264*	8	225+	43	133	1	311*	0	0*	0	0*	25	91	8	68	6	132	3	53*	42
	F	169	1	26*	28	94	0	0*	1	25*	23	147	37	81	8	143	21	105	0	0*	6	124	1	29*	6	137	37
	T	335	3		54		2		9		66		38		8		21		25		14		7		9		79
CANTON	M	27	0	0*	1	22*	1	762*	0	0*	3	53*	0	0*	0	0*	0	0*	6	143	3	160*	2	251*	0	0*	11
	F	39	1	122*	9	136	0	0*	0	0*	6	148	4	38*	1	107*	6	124	0	0*	2	209*	2	243*	1	86*	7
	T	66	1		10		1		0		9		4		1		6		6		5		4		1		18

NOTE: PIR REPRESENTS PROPORTIONAL INCIDENCE RATIO (OBSERVED/EXPECTED) X 100; PIR OF 999 = PIR > 1000;
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Table 7
Cancer Incidence in HSA IV Cities and Towns, 1982
(continued)

MASSACHUSETTS DEPARTMENT OF PUBLIC HEALTH CANCER REGISTRY
1982 CANCER INCIDENCE

HSA IV CITY-TOWN	SEX	ALL SITES	01	PIR	02	PIR	03	PIR	04	PIR	05	PIR	06	PIR	07	PIR	08	PIR	09	PIR	10	PIR	11	PIR	12	PIR	OTHER SITES
CARLISLE	M	6	0	0*	0	0*	0	0*	1	799*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	1	623*	0	0*	4
	F	4	0	0*	4	457*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0
	T	10	0		4		0		1		0		0		0		0		0		0		1		0		4
CHELSEA	M	60	2	105*	9	87	0	0*	0	0*	17	137	0	0*	0	0*	0	0*	7	69	9	211+	3	177*	0	0*	13
	F	48	1	103*	8	102	1	999*	1	93*	4	82*	13	98	1	61*	9	150	0	0*	0	0*	1	102*	2	174*	7
	T	108	3		17		1		1		21		13		1		9		7		9		4		2		20
COHASSET	M	12	1	302*	0	0*	0	0*	0	0*	4	187*	0	0*	0	0*	0	0*	2	135*	0	0*	0	0*	0	0*	5
	F	15	0	0*	3	115*	0	0*	1	290*	1	97*	5	126	0	0*	1	62*	0	0*	1	207*	0	0*	0	0*	3
	T	27	1		3		0		1		5		5		0		1		2		1		0		0		8
CONCORD	M	25	1	129*	8	196	0	0*	0	0*	3	59*	0	0*	0	0*	0	0*	6	167	2	117*	0	0*	2	239*	3
	F	45	0	0*	6	85	0	0*	0	0*	3	75*	19	154	0	0*	4	74*	0	0*	1	77*	0	0*	4	306*	8
	T	70	1		14		0		0		6		19		0		4		6		3		0		6		11
DEDHAM	M	51	0	0*	8	96	0	0*	1	90*	9	83	0	0*	0	0*	0	0*	10	132	5	139	6	390#	1	63*	11
	F	57	0	0*	9	106	0	0*	0	0*	5	93	18	111	1	38*	6	85	0	0*	1	73*	1	92*	6	456#	10
	T	108	0		17		0		1		14		18		1		6		10		6		7		7		21
DOVER	M	13	0	0*	1	54*	0	0*	0	0*	1	46*	1	999*	0	0*	0	0*	3	195*	2	253*	0	0*	1	161*	4
	F	5	0	0*	0	0*	0	0*	0	0*	0	0*	1	88*	0	0*	3	479*	0	0*	0	0*	0	0*	1	314*	0
	T	18	0		1		0		0		1		2		0		3		3		2		0		2		4
FOXBOROUGH	M	19	1	159*	1	29*	0	0*	1	238*	3	80*	0	0*	0	0*	0	0*	3	79*	2	138*	1	207*	0	0*	7
	F	26	0	0*	2	57*	0	0*	0	0*	3	133*	11	150	0	0*	3	93*	0	0*	0	0*	0	0*	0	0*	7
	T	45	1		3		0		1		6		11		0		3		3		2		1		0		14
FRAMINGHAM	M	139	5	114	27	115	0	0*	5	166	27	95	0	0*	0	0*	0	0*	17	75	8	81	5	127	5	107	40
	F	138	8	294#	22	103	0	0*	3	103*	10	81	48	125	7	115	13	78	0	0*	2	57*	2	76*	3	85*	20
	T	277	13		49		0		8		37		48		7		13		17		10		7		8		60
HINGHAM	M	37	2	178*	10	168	0	0*	0	0*	5	72	0	0*	0	0*	0	0*	6	102	2	79*	2	196*	1	73*	9
	F	41	0	0*	4	64*	0	0*	2	236*	3	80*	10	86	1	52*	8	160	0	0*	1	102*	0	0*	3	310*	9
	T	78	2		14		0		2		8		10		1		8		6		3		2		4		18
HOLBROOK	M	28	0	0*	3	64*	0	0*	0	0*	12	209+	0	0*	0	0*	0	0*	5	106	2	103*	1	124*	0	0*	5
	F	31	0	0*	3	67*	0	0*	2	329*	4	146*	12	142	0	0*	5	132	0	0*	0	0*	1	169*	0	0*	4
	T	59	0		6		0		2		16		12		0		5		5		2		2		0		9
HOLLISTON	M	7	0	0*	1	91*	0	0*	0	0*	1	91*	0	0*	0	0*	0	0*	2	187*	0	0*	0	0*	0	0*	3
	F	20	0	0*	3	92*	0	0*	0	0*	4	217*	3	54*	0	0*	2	83*	0	0*	1	193*	0	0*	1	203*	6
	T	27	0		4		0		0		5		3		0		2		2		1		0		1		9
HOPKINTON	M	14	0	0*	3	130*	0	0*	1	336*	4	150*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	6
	F	11	0	0*	1	59*	0	0*	1	452*	2	265*	2	66*	0	0*	2	163*	0	0*	0	0*	0	0*	0	0*	3
	T	25	0		4		0		2		6		2		0		2		0		0		0		0		9

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Table 7
Cancer Incidence in HSA IV Cities and Towns, 1982
(continued)

MASSACHUSETTS DEPARTMENT OF PUBLIC HEALTH CANCER REGISTRY
1982 CANCER INCIDENCE

HSA IV CITY-TOWN	SEX	ALL SITES	01	PIR	02	PIR	03	PIR	04	PIR	05	PIR	06	PIR	07	PIR	08	PIR	09	PIR	10	PIR	11	PIR	12	PIR	OTHER SITES
HUDSON	M	28	1	115*	7	149	0	0*	1	164*	2	36*	0	0*	0	0*	0	0*	3	71*	0	0*	2	255*	4	427*	8
	F	29	0	0*	4	81*	0	0*	1	153*	4	192*	5	70	1	95*	5	159	0	0*	1	114*	0	0*	1	83*	7
	T	57	1		11		0		2		6		5		1		5		3		1		2		5		15
HULL	M	16	0	0*	5	214	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	3	136*	1	100*	1	224*	2	281*	4
	F	24	0	0*	6	184	0	0*	0	0*	2	92*	7	110	2	221*	1	34*	0	0*	1	176*	0	0*	0	0*	5
	T	40	0		11		0		0		2		7		2		1		3		2		1		2		9
LEXINGTON	M	69	1	47*	7	60	1	309*	2	135*	10	73	0	0*	0	0*	0	0*	22	194#	5	104	1	52*	2	84*	18
	F	63	2	149*	8	77	0	0*	0	0*	4	74*	17	98	0	0*	6	81	0	0*	3	169*	3	249*	3	188*	17
	T	132	3		15		1		2		14		17		0		6		22		8		4		5		35
LINCOLN	M	8	0	0*	1	72*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	3	188*	2	375*	1	494*	0	0*	1
	F	12	0	0*	1	67*	0	0*	0	0*	1	83*	4	111*	0	0*	2	126*	0	0*	1	411*	0	0*	0	0*	3
	T	20	0		2		0		0		1		4		0		2		3		3		1		0		4
LITTLETON	M	22	0	0*	6	155	0	0*	1	197*	3	62*	0	0*	0	0*	0	0*	4	122*	1	61*	1	155*	1	153*	5
	F	12	0	0*	3	133*	0	0*	0	0*	0	0*	3	94*	2	720*	2	142*	0	0*	1	282*	0	0*	0	0*	1
	T	34	0		9		0		1		3		3		2		2		4		2		1		1		6
MARLBOROUGH	M	54	0	0*	8	88	1	402*	0	0*	14	134	0	0*	0	0*	0	0*	10	96	5	132	0	0*	4	206*	12
	F	67	2	148*	9	84	0	0*	0	0*	7	113	15	82	5	189	10	123	0	0*	3	168*	0	0*	2	108*	14
	T	121	2		17		1		0		21		15		5		10		10		8		0		6		26
MAYNARD	M	23	2	271*	4	98*	2	999*	2	388*	4	81*	0	0*	0	0*	0	0*	5	121	0	0*	0	0*	2	293*	2
	F	27	0	0*	6	129	0	0*	0	0*	1	37*	7	95	1	124*	7	212	0	0*	1	141*	0	0*	0	0*	4
	T	50	2		10		2		2		5		7		1		7		5		1		0		2		6
MEDFIELD	M	11	0	0*	4	240*	0	0*	0	0*	2	106*	0	0*	0	0*	0	0*	1	69*	1	142*	0	0*	0	0*	3
	F	16	0	0*	4	144*	0	0*	1	270*	0	0*	4	93*	0	0*	2	110*	0	0*	1	228*	0	0*	0	0*	4
	T	27	0		8		0		1		2		4		0		2		1		2		0		0		7
MILLIS	M	10	0	0*	3	171*	0	0*	0	0*	1	48*	0	0*	0	0*	0	0*	3	168*	1	134*	0	0*	0	0*	2
	F	12	0	0*	3	181*	0	0*	0	0*	0	0*	5	167	0	0*	2	158*	0	0*	0	0*	0	0*	0	0*	2
	T	22	0		6		0		0		1		5		0		2		3		1		0		0		4
MILTON	M	85	2	73*	18	120	0	0*	3	159*	14	80	0	0*	0	0*	0	0*	17	110	4	65*	2	86*	3	114*	22
	F	94	2	96*	12	73	0	0*	3	134*	11	120	26	102	2	70*	9	79	0	0*	2	78*	0	0*	6	252+	21
	T	179	4		30		0		6		25		26		2		9		17		6		2		9		43
NATICK	M	49	1	63*	9	108	0	0*	1	91*	8	75	1	960*	0	0*	0	0*	4	53*	4	113*	3	205*	2	136*	16
	F	79	1	71*	21	185#	1	497*	2	130*	8	112	21	96	3	80*	6	62	0	0*	3	158*	2	133*	0	0*	11
	T	128	2		30		1		3		16		22		3		6		4		7		5		2		27
NEEDHAM	M	49	2	127*	11	125	1	445*	1	92*	4	40*	0	0*	0	0*	0	0*	11	118	5	141	1	76*	0	0*	13
	F	90	1	47*	27	166+	0	0*	1	46*	3	39*	23	98	0	0*	5	49	0	0*	5	190	1	55*	3	113*	21
	T	139	3		38		1		2		7		23		0		5		11		10		2		3		34

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MASSACHUSETTS DEPARTMENT OF PUBLIC HEALTH CANCER REGISTRY
1982 CANCER INCIDENCE

HSA IV CITY-TOWN	SEX	ALL SITES	01	PIR	02	PIR	03	PIR	04	PIR	05	PIR	06	PIR	07	PIR	08	PIR	09	PIR	10	PIR	11	PIR	12	PIR	OTHER SITES
NEWTON	M	175	5	90	34	112	2	253*	6	160	24	71	2	674*	0	0*	0	0*	25	77	14	111	5	108	6	101	52
	F	245	6	110	51	121	1	180*	4	70*	13	60	68	103	3	33*	32	112	0	0*	11	156	2	41*	6	92	48
	T	420	11		85		3		10		37		70		3		32		25		25		7		12		100
NORFOLK	M	9	1	339*	4	250*	0	0*	0	0*	3	163*	0	0*	0	0*	0	0*	1	59*	0	0*	0	0*	0	0*	0
	F	3	0	0*	0	0*	0	0*	0	0*	0	0*	1	120*	0	0*	0	0*	0	0*	1	999*	0	0*	0	0*	1
	T	12	1		4		0		0		3		1		0		0		1		1		0		0		1
NORTHBOROUGH	M	12	0	0*	1	48*	0	0*	1	368*	2	77*	0	0*	0	0*	0	0*	2	108*	2	221*	0	0*	0	0*	4
	F	21	0	0*	5	143	0	0*	0	0*	1	57*	5	87	1	106*	2	83*	0	0*	0	0*	0	0*	0	0*	7
	T	33	0		6		0		1		3		5		1		2		2		2		0		0		11
NORWELL	M	11	0	0*	4	221*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	2	128*	1	131*	1	307*	1	280*	2
	F	10	0	0*	0	0*	0	0*	1	474*	2	248*	2	73*	1	190*	1	87*	0	0*	0	0*	0	0*	0	0*	3
	T	21	0		4		0		1		2		2		1		1		2		1		1		1		5
NORWOOD	M	66	0	0*	10	91	0	0*	3	210*	13	97	0	0*	0	0*	0	0*	17	163	7	152	1	53*	2	90*	13
	F	59	1	75*	10	96	0	0*	1	70*	8	140	11	69	2	117*	7	99	0	0*	2	119*	0	0*	2	132*	15
	T	125	1		20		0		4		21		11		2		7		17		9		1		4		28
QUINCY	M	219	6	86	38	101	1	97*	3	63*	41	92	0	0*	0	0*	0	0*	39	102	9	57	6	98	7	99	69
	F	249	3	50*	60	129	0	0*	8	128	21	95	70	108	3	40*	23	82	0	0*	6	84	10	196	3	42*	42
	T	468	9		98		1		11		62		70		3		23		39		15		16		10		111
RANDOLPH	M	65	4	193*	11	101	0	0*	1	70*	12	87	1	779*	0	0*	0	0*	8	77	7	151	4	210*	0	0*	17
	F	65	1	78*	11	111	0	0*	0	0*	8	158	15	83	3	82*	7	93	0	0*	1	56*	1	85*	4	248*	14
	T	130	5		22		0		1		20		16		3		7		8		8		5		4		31
REVERE	M	104	4	122*	24	135	0	0*	2	88*	20	93	0	0*	0	0*	0	0*	15	82	6	82	1	34*	2	61*	30
	F	109	2	92*	16	93	2	747*	4	171*	11	112	23	77	7	158	24	183#	0	0*	2	71*	2	95*	3	98*	13
	T	213	6		40		2		6		31		23		7		24		15		8		3		5		43
SCITUATE	M	27	1	123*	4	90*	1	828*	0	0*	6	127	0	0*	0	0*	0	0*	6	119	3	159*	1	149*	3	263*	2
	F	39	0	0*	6	91	1	999*	0	0*	3	99*	9	86	2	106*	10	226+	0	0*	1	88*	2	265*	1	97*	4
	T	66	1		10		2		0		9		9		2		10		6		4		3		4		6
SHARON	M	27	0	0*	9	188	0	0*	0	0*	5	87	0	0*	0	0*	0	0*	3	64*	2	101*	2	264*	4	493*	2
	F	19	0	0*	2	65*	0	0*	0	0*	1	57*	10	195	0	0*	2	86*	0	0*	1	222*	2	507*	0	0*	1
	T	46	0		11		0		0		6		10		0		2		3		3		4		4		3
SHERBORN	M	5	0	0*	1	120*	0	0*	1	904*	2	186*	0	0*	0	0*	0	0*	1	128*	0	0*	0	0*	0	0*	0
	F	3	0	0*	0	0*	0	0*	1	999*	0	0*	0	0*	0	0*	1	257*	0	0*	0	0*	0	0*	0	0*	1
	T	8	0		1		0		2		2		0		0		1		1		0		0		0		1
SOMERVILLE	M	164	5	95	31	109	0	0*	2	57*	35	112	0	0*	0	0*	0	0*	38	122	9	75	3	71*	2	37*	39
	F	185	5	128	32	104	0	0*	4	95*	18	101	49	96	4	61*	23	103	0	0*	7	147	2	54*	2	44*	39
	T	349	10		63		0		6		53		49		4		23		38		16		5		4		78

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SOUTHBOROUGH	M	8	1	419*	0	0*	0	0*	1	628*	0	0*	0	0*	0	0*	0	0*	2	164*	1	184*	0	0*	0	0*	3
	F	10	0	0*	1	79*	0	0*	0	0*	0	0*	3	114*	2	499*	2	160*	0	0*	0	0*	0	0*	0	0*	2
	T	18	1		1		0		1		0		3		2		2		2		1		0		0		5
STOW	M	0	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0
	F	12	0	0*	2	130*	0	0*	0	0*	2	245*	4	128*	0	0*	1	72*	0	0*	0	0*	0	0*	1	203*	2
	T	12	0		2		0		0		2		4		0		1		0		0		0		1		2
SUDBURY	M	22	1	139*	5	129	0	0*	1	199*	3	62*	0	0*	0	0*	0	0*	1	28*	0	0*	3	472*	2	305*	6
	F	23	1	249*	5	156	0	0*	0	0*	4	187*	8	121	0	0*	2	69*	0	0*	0	0*	0	0*	0	0*	3
	T	45	2		10		0		1		7		8		0		2		1		0		3		2		9
WALPOLE	M	24	1	136*	5	127	0	0*	0	0*	3	62*	0	0*	0	0*	0	0*	6	160	1	61*	1	145*	0	0*	7
	F	33	0	0*	9	185	0	0*	1	148*	4	119*	8	87	2	173*	3	71*	0	0*	0	0*	1	153*	0	0*	5
	T	57	1		14		0		1		7		8		2		3		6		1		2		0		12
WALTHAM	M	106	2	60*	15	82	0	0*	2	87*	17	81	0	0*	0	0*	0	0*	19	104	8	107	3	104*	3	82*	37
	F	120	6	223	16	77	0	0*	1	35*	14	128	33	101	4	98*	13	92	0	0*	3	87*	3	127*	7	226	20
	T	226	8		31		0		3		31		33		4		13		19		11		6		10		57
WATERTOWN	M	79	2	80*	18	133	0	0*	2	117*	12	77	0	0*	0	0*	0	0*	13	96	4	70*	2	94*	3	113*	23
	F	104	3	126*	18	98	0	0*	2	80*	12	122	27	95	4	133*	15	122	0	0*	4	128*	1	48*	4	149*	14
	T	183	5		36		0		4		24		27		4		15		13		8		3		7		37
WAYLAND	M	15	0	0*	0	0*	0	0*	2	635*	3	98*	0	0*	0	0*	0	0*	4	179*	1	102*	0	0*	0	0*	5
	F	21	0	0*	4	128*	0	0*	0	0*	2	105*	4	66*	2	201*	6	234	0	0*	0	0*	0	0*	0	0*	3
	T	36	0		4		0		2		5		4		2		6		4		1		0		0		8
WELLESLEY	M	42	0	0*	4	56*	1	491*	2	225*	6	73	0	0*	0	0*	0	0*	7	94	4	138*	1	88*	4	254*	13
	F	59	1	86*	11	119	0	0*	2	159*	1	18*	17	102	0	0*	9	125	0	0*	0	0*	3	268*	0	0*	15
	T	101	1		15		1		4		7		17		0		9		7		4		4		4		28
WESTBOROUGH	M	25	0	0*	2	46*	0	0*	0	0*	9	168	0	0*	0	0*	0	0*	3	65*	3	168*	2	279*	3	404*	3
	F	21	0	0*	2	50*	0	0*	2	375*	5	296+	2	37*	0	0*	2	87*	0	0*	0	0*	0	0*	0	0*	8
	T	46	0		4		0		2		14		2		0		2		3		3		2		3		11
WESTON	M	21	0	0*	2	57*	0	0*	0	0*	4	98*	0	0*	0	0*	0	0*	5	148	2	133*	2	347*	0	0*	6
	F	25	0	0*	1	27*	0	0*	0	0*	1	45*	11	154	2	161*	3	98*	0	0*	0	0*	0	0*	1	172*	6
	T	46	0		3		0		0		5		11		2		3		5		2		2		1		12
WESTWOOD	M	31	0	0*	7	132	0	0*	1	150*	6	98	0	0*	0	0*	0	0*	7	131	1	46*	1	119*	0	0*	8
	F	34	0	0*	5	89	0	0*	1	130*	6	192	11	117	1	78*	3	74*	0	0*	0	0*	0	0*	1	118*	6
	T	65	0		12		0		2		12		11		1		3		7		1		1		1		14
WEYMOUTH	M	101	3	92*	15	84	0	0*	3	134*	22	107	0	0*	0	0*	0	0*	24	131	11	151	1	36*	1	32*	21
	F	100	2	89*	15	86	0	0*	4	168*	13	142	27	101	4	125*	7	60	0	0*	7	249+	1	49*	2	71*	18
	T	201	5		30		0		7		35		27		4		7		24		18		2		3		39

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WILMINGTON	M	21	1	157*	3	89*	0	0*	0	0*	5	114	0	0*	0	0*	0	0*	2	70*	0	0*	1	158*	1	127*	8
	F	34	0	0*	4	77*	0	0*	1	142*	2	65*	10	112	2	161*	3	73*	0	0*	0	0*	1	151*	1	81*	10
	T	55	1		7		0		1		7		10		2		3		2		0		2		2		18
WINCHESTER	M	33	1	95*	6	105	1	644*	0	0*	4	59*	0	0*	0	0*	0	0*	11	186	2	85*	1	108*	1	98*	6
	F	62	1	77*	9	89	0	0*	1	74*	6	114	19	113	2	76*	9	124	0	0*	2	118*	0	0*	0	0*	13
	T	95	2		15		1		1		10		19		2		9		11		4		1		1		19
WINTHROP	M	32	3	289*	3	52*	0	0*	1	139*	3	45*	0	0*	0	0*	0	0*	7	117	2	85*	1	115*	0	0*	12
	F	44	1	106*	10	139	0	0*	2	207*	4	112*	11	93	1	46*	5	98	0	0*	0	0*	0	0*	1	88*	9
	T	76	4		13		0		3		7		11		1		5		7		2		1		1		21
WOBURN	M	72	1	45*	18	156	0	0*	0	0*	13	91	0	0*	0	0*	0	0*	12	115	5	100	2	97*	6	230	15
	F	61	1	75*	16	155	0	0*	0	0*	7	140	13	83	1	41*	7	100	0	0*	0	0*	1	82*	3	148*	12
	T	133	2		34		0		0		20		13		1		7		12		5		3		9		27
WRENTHAM	M	14	0	0*	5	209	0	0*	0	0*	1	36*	0	0*	0	0*	0	0*	1	44*	3	293*	0	0*	1	218*	3
	F	9	0	0*	1	69*	0	0*	0	0*	0	0*	4	164*	0	0*	2	194*	0	0*	0	0*	0	0*	1	430*	1
	T	23	0		6		0		0		1		4		0		2		1		3		0		2		4

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Table 8
Cancer Incidence in HSA V Cities and Towns, 1982

MASSACHUSETTS DEPARTMENT OF PUBLIC HEALTH CANCER REGISTRY
1982 CANCER INCIDENCE

HSA V CITY-TOWN	SEX	ALL SITES	01	PIR	02	PIR	03	PIR	04	PIR	05	PIR	06	PIR	07	PIR	08	PIR	09	PIR	10	PIR	11	PIR	12	PIR	OTHER SITES
ABINGTON	M	22	0	0*	4	107*	0	0*	0	0*	7	174	0	0*	0	0*	0	0*	1	25*	3	202*	1	175*	1	130*	5
	F	25	1	202*	3	77*	0	0*	0	0*	2	94*	6	90	1	97*	4	135*	0	0*	0	0*	1	209*	1	121*	6
	T	47	1		7		0		0		9		6		1		4		1		3		2		2		11
ACUSHNET	M	21	0	0*	3	85*	0	0*	1	224*	3	70*	0	0*	0	0*	0	0*	2	56*	1	68*	0	0*	4	523*	7
	F	16	1	354*	3	134*	0	0*	0	0*	1	75*	5	111	1	102*	1	51*	0	0*	0	0*	2	671*	0	0*	2
	T	37	1		6		0		1		4		5		1		1		2		1		2		4		9
ATTLEBORO	M	63	2	100*	8	76	0	0*	1	73*	18	140	1	781*	0	0*	0	0*	9	89	4	89*	1	56*	2	100*	17
	F	78	1	64*	12	98	0	0*	2	122*	4	62*	25	118	5	133	9	98	0	0*	0	0*	4	269*	1	47*	15
	T	141	3		20		0		3		22		26		5		9		9		4		5		3		32
AVON	M	17	0	0*	6	203	0	0*	0	0*	6	163	0	0*	0	0*	0	0*	2	67*	0	0*	0	0*	0	0*	3
	F	10	0	0*	1	74*	0	0*	0	0*	2	189*	2	67*	1	229*	1	76*	0	0*	0	0*	1	535*	0	0*	2
	T	27	0		7		0		0		8		2		1		1		2		0		1		0		5
BARNSTABLE	M	107	2	59*	17	90	0	0*	2	87*	21	103	0	0*	0	0*	0	0*	27	126	5	66	3	109*	4	115*	26
	F	106	2	93*	11	65	0	0*	5	220	10	108	35	122	3	66*	10	79	0	0*	2	73*	3	146*	4	131*	21
	T	213	4		28		0		7		31		35		3		10		27		7		6		8		47
BERKLEY	M	8	1	430*	1	79*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	3	188*	1	183*	0	0*	0	0*	2
	F	6	1	898*	0	0*	0	0*	0	0*	0	0*	1	60*	1	340*	0	0*	0	0*	0	0*	1	851*	0	0*	2
	T	14	2		1		0		0		0		1		1		0		3		1		1		0		4
BOURNE	M	34	0	0*	7	114	0	0*	1	135*	6	92	1	999*	0	0*	0	0*	10	144	2	81*	1	116*	1	93*	5
	F	33	2	262*	9	157	0	0*	1	128*	4	141*	4	44*	3	268*	2	53*	0	0*	0	0*	0	0*	0	0*	8
	T	67	2		16		0		2		10		5		3		2		10		2		1		1		13
BREWSTER	M	15	0	0*	3	120*	0	0*	0	0*	3	108*	0	0*	0	0*	0	0*	2	79*	1	96*	0	0*	0	0*	6
	F	13	1	289*	4	157*	0	0*	0	0*	1	103*	1	30*	0	0*	1	73*	0	0*	1	216*	2	774*	0	0*	2
	T	28	1		7		0		0		4		1		0		1		2		2		2		0		8
BRIDGEWATER	M	23	1	144*	7	181	0	0*	0	0*	3	74*	0	0*	0	0*	0	0*	2	48*	2	125*	0	0*	0	0*	8
	F	24	1	213*	6	161	0	0*	2	392*	3	133*	5	79	1	117*	0	0*	0	0*	0	0*	0	0*	2	254*	4
	T	47	2		13		0		2		6		5		1		0		2		2		0		2		12
BROCKTON	M	178	11	195+	31	102	1	126*	2	52*	34	98	0	0*	0	0*	0	0*	26	82	17	133	6	126	3	51*	47
	F	199	3	70*	33	100	0	0*	3	67*	23	137	51	96	9	115	27	117	0	0*	5	85	4	101*	4	67*	37
	T	377	14		64		1		5		57		51		9		27		26		22		10		7		84
CARVER	M	14	0	0*	0	0*	0	0*	0	0*	3	101*	0	0*	0	0*	0	0*	2	77*	2	199*	1	256*	0	0*	6
	F	13	0	0*	1	58*	0	0*	0	0*	4	275*	3	77*	1	189*	3	170*	0	0*	0	0*	0	0*	0	0*	1
	T	27	0		1		0		0		7		3		1		3		2		2		1		0		7
CHATHAM	M	17	0	0*	3	104*	0	0*	1	277*	2	59*	0	0*	0	0*	0	0*	3	92*	4	345*	0	0*	0	0*	4
	F	32	0	0*	5	90	0	0*	2	267*	6	205	10	116	2	170*	5	132	0	0*	0	0*	0	0*	0	0*	2
	T	49	0		8		0		3		8		10		2		5		3		4		0		0		6

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Table 8
Cancer Incidence in HSA V Cities and Towns, 1982
(continued)

MASSACHUSETTS DEPARTMENT OF PUBLIC HEALTH CANCER REGISTRY
1982 CANCER INCIDENCE

HSA V CITY-TOWN	SEX	ALL SITES	01	PIR	02	PIR	03	PIR	04	PIR	05	PIR	06	PIR	07	PIR	08	PIR	09	PIR	10	PIR	11	PIR	12	PIR	OTHER SITES
CHILMARK	M	1	0	0*	1	576*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0
	F	1	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	1	999*	0	0*	0	0*	0	0*	0	0*	0
	T	2	0		1		0		0		0		0		0		1		0		0		0		0		0
DARTMOUTH	M	50	0	0*	5	58	0	0*	3	276*	10	103	0	0*	0	0*	0	0*	13	141	4	107*	0	0*	1	63*	14
	F	46	0	0*	4	60*	0	0*	3	329*	1	23*	13	100	2	102*	4	70*	0	0*	2	178*	1	116*	2	160*	14
	T	96	0		9		0		6		11		13		2		4		13		6		1		3		28
DENNIS	M	52	1	59*	12	126	0	0*	0	0*	10	102	0	0*	0	0*	0	0*	16	148	2	51*	0	0*	1	60*	10
	F	42	0	0*	6	78	0	0*	1	97*	4	107*	11	99	2	146*	4	83*	0	0*	1	83*	0	0*	2	177*	11
	T	94	1		18		0		1		14		11		2		4		16		3		0		3		21
DIGHTON	M	11	0	0*	2	103*	0	0*	1	396*	1	41*	0	0*	0	0*	0	0*	2	118*	0	0*	0	0*	3	916*	2
	F	12	0	0*	2	82*	0	0*	1	303*	1	98*	1	33*	0	0*	0	0*	0	0*	1	243*	0	0*	0	0*	6
	T	23	0		4		0		2		2		1		0		0		2		1		0		3		8
DUXBURY	M	24	1	131*	3	74*	0	0*	0	0*	3	66*	0	0*	0	0*	0	0*	9	210+	0	0*	0	0*	0	0*	8
	F	23	0	0*	5	138	0	0*	0	0*	2	94*	6	94	1	100*	3	107*	0	0*	0	0*	0	0*	1	180*	5
	T	47	1		8		0		0		5		6		1		3		9		0		0		1		13
EAST BRIDGEWATER	M	18	0	0*	2	65*	0	0*	0	0*	6	183	0	0*	0	0*	0	0*	3	91*	3	234*	0	0*	1	162*	3
	F	19	1	234*	1	30*	0	0*	1	226*	0	0*	7	140	1	119*	2	92*	0	0*	3	586*	0	0*	2	394*	1
	T	37	1		3		0		1		6		7		1		2		3		6		0		3		4
EASTHAM	M	15	1	205*	2	72*	0	0*	0	0*	1	34*	0	0*	0	0*	0	0*	4	123*	1	91*	2	541*	0	0*	4
	F	5	0	0*	2	245*	0	0*	0	0*	0	0*	2	144*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	1
	T	20	1		4		0		0		1		2		0		0		4		1		2		0		5
EASTON	M	28	3	356*	2	44*	0	0*	0	0*	6	120	0	0*	0	0*	0	0*	4	80*	1	52*	0	0*	1	92*	11
	F	25	0	0*	6	134	0	0*	1	167*	2	94*	5	76	0	0*	0	0*	0	0*	1	148*	1	197*	1	148*	8
	T	53	3		8		0		1		8		5		0		0		4		2		1		2		19
EDGARTOWN	M	4	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	2	402*	0	0*	1	816*	1	676*	0
	F	3	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	1	999*	0	0*	2
	T	7	0		0		0		0		0		0		0		0		2		0		2		1		2
FAIRHAVEN	M	49	2	130*	12	142	0	0*	1	94*	7	72	0	0*	0	0*	0	0*	5	59	2	57*	0	0*	2	118*	18
	F	47	2	211*	5	67	0	0*	2	197*	0	0*	14	107	5	244	5	88	0	0*	0	0*	1	111*	0	0*	13
	T	96	4		17		0		3		7		14		5		5		5		2		1		2		31
FALL RIVER	M	209	15	226#	27	75	0	0*	5	110	52	126	0	0*	0	0*	0	0*	33	90	14	94	7	124	5	73	51
	F	257	5	81	41	87	1	163*	9	143	17	83	59	89	33	344#	26	91	0	0*	9	117	6	116	11	141	40
	T	466	20		68		1		14		69		59		33		26		33		23		13		16		91
FALMOUTH	M	68	3	140*	21	178+	0	0*	1	68*	8	60	0	0*	0	0*	0	0*	13	102	3	62*	5	275+	2	91*	12
	F	85	0	0*	14	90	0	0*	2	96*	10	146	22	102	5	195	4	43*	0	0*	5	184	0	0*	3	100*	20
	T	153	3		35		0		3		18		22		5		4		13		8		5		5		32

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FREETOWN	M	12	0	0*	3	147*	0	0*	0	0*	1	43*	0	0*	0	0*	0	0*	0	0*	1	116*	0	0*	0	0*	7
	F	6	0	0*	1	102*	0	0*	0	0*	1	183*	1	62*	0	0*	1	138*	0	0*	0	0*	0	0*	1	664*	1
	T	18	0		4		0		0		2		1		0		1		0		1		0		1		8
GAY HEAD	M	0	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0
	F	0	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0
	T	0	0		0		0		0		0		0		0		0		0		0		0		0		0
GOSNOLD	M	0	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0
	F	0	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0
	T	0	0		0		0		0		0		0		0		0		0		0		0		0		0
HALIFAX	M	17	0	0*	7	224	0	0*	0	0*	5	144	0	0*	0	0*	0	0*	3	92*	0	0*	0	0*	0	0*	2
	F	5	0	0*	1	115*	0	0*	0	0*	1	188*	1	73*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	2
	T	22	0		8		0		0		6		1		0		0		3		0		0		0		4
HANOVER	M	15	1	205*	3	113*	0	0*	0	0*	4	127*	0	0*	0	0*	0	0*	2	73*	1	91*	1	239*	1	222*	2
	F	19	0	0*	3	112*	0	0*	1	276*	4	257*	5	97	2	220*	2	88*	0	0*	0	0*	0	0*	0	0*	2
	T	34	1		6		0		1		8		5		2		2		2		1		1		1		4
HANSON	M	11	1	303*	4	227*	0	0*	1	460*	0	0*	1	999*	0	0*	0	0*	2	102*	0	0*	0	0*	0	0*	2
	F	21	1	189*	10	242#	0	0*	0	0*	0	0*	3	55*	1	223*	1	41*	0	0*	1	173*	0	0*	0	0*	4
	T	32	2		14		0		1		0		4		1		1		2		1		0		0		6
HARWICH	M	42	2	152*	7	97	0	0*	1	114*	3	38*	0	0*	0	0*	0	0*	11	133	5	164	2	188*	1	64*	10
	F	44	0	0*	12	153	0	0*	0	0*	2	50*	13	112	2	129*	3	58*	0	0*	2	167*	0	0*	0	0*	10
	T	86	2		19		0		1		5		13		2		3		11		7		2		1		20
KINGSTON	M	13	0	0*	3	126*	0	0*	0	0*	2	77*	0	0*	0	0*	0	0*	2	82*	2	202*	1	300*	0	0*	3
	F	12	1	629*	1	75*	0	0*	0	0*	1	98*	5	140	0	0*	2	130*	0	0*	0	0*	0	0*	0	0*	2
	T	25	1		4		0		0		3		5		0		2		2		2		1		0		5
LAKEVILLE	M	6	0	0*	1	96*	0	0*	0	0*	1	74*	0	0*	0	0*	0	0*	3	325*	1	231*	0	0*	0	0*	0
	F	12	2	999*	1	60*	0	0*	1	420*	3	214*	2	55*	1	268*	0	0*	0	0*	0	0*	0	0*	0	0*	2
	T	18	2		2		0		1		4		2		1		0		3		1		0		0		2
MANSFIELD	M	17	2	429*	3	129*	0	0*	0	0*	1	41*	0	0*	0	0*	0	0*	2	85*	1	94*	1	232*	1	122*	6
	F	23	0	0*	5	136	0	0*	0	0*	2	99*	8	127	1	90*	4	146*	0	0*	0	0*	0	0*	0	0*	3
	T	40	2		8		0		0		3		8		1		4		2		1		1		1		9
MARION	M	13	1	241*	3	131*	0	0*	0	0*	2	71*	0	0*	0	0*	0	0*	4	166*	0	0*	0	0*	0	0*	3
	F	8	0	0*	0	0*	0	0*	0	0*	0	0*	2	89*	2	951*	1	100*	0	0*	0	0*	0	0*	1	522*	2
	T	21	1		3		0		0		2		2		2		1		4		0		0		1		5
MARSHFIELD	M	42	0	0*	6	84	0	0*	0	0*	5	60	0	0*	0	0*	0	0*	11	156	3	104*	1	86*	5	360#	11
	F	36	0	0*	7	134	0	0*	1	142*	1	31*	12	118	2	104*	2	45*	0	0*	2	240*	0	0*	2	240*	7
	T	78	0		13		0		1		6		12		2		2		11		5		1		7		18

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# OR = INDICATES STATISTICAL SIGNIFICANCE AT .01 LEVEL;
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Table 8
Cancer Incidence in HSA V Cities and Towns, 1982
(continued)

MASSACHUSETTS DEPARTMENT OF PUBLIC HEALTH CANCER REGISTRY
1982 CANCER INCIDENCE

HSA V CITY-TOWN	SEX	ALL SITES	01	PIR	02	PIR	03	PIR	04	PIR	05	PIR	06	PIR	07	PIR	08	PIR	09	PIR	10	PIR	11	PIR	12	PIR	OTHER SITES
MASHPEE	M	6	0	0*	1	103*	0	0*	0	0*	1	97*	0	0*	0	0*	0	0*	2	186*	1	240*	0	0*	0	0*	1
	F	7	0	0*	0	0*	0	0*	0	0*	1	169*	1	53*	0	0*	1	122*	0	0*	0	0*	0	0*	0	0*	4
	T	13	0		1		0		0		2		1		0		1		2		1		0		0		5
MATTAPOISETT	M	15	0	0*	6	226	0	0*	2	619*	2	71*	0	0*	0	0*	0	0*	3	100*	1	94*	0	0*	0	0*	1
	F	8	0	0*	0	0*	0	0*	0	0*	2	225*	5	221	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	1
	T	23	0		6		0		2		4		5		0		0		3		1		0		0		2
MIDDLEBOROUGH	M	27	1	118*	3	63*	0	0*	0	0*	10	197+	0	0*	0	0*	0	0*	4	71*	3	155*	0	0*	1	103*	5
	F	30	0	0*	3	66*	0	0*	1	162*	6	215	4	48*	1	69*	2	54*	0	0*	2	278*	0	0*	1	141*	10
	T	57	1		6		0		1		16		4		1		2		4		5		0		2		15
NANTUCKET	M	14	2	431*	1	41*	0	0*	0	0*	4	141*	0	0*	0	0*	0	0*	0	0*	0	0*	1	265*	1	235*	5
	F	6	0	0*	1	142*	0	0*	0	0*	0	0*	2	117*	1	173*	0	0*	0	0*	0	0*	0	0*	0	0*	2
	T	20	2		2		0		0		4		2		1		0		0		0		1		1		7
NEW BEDFORD	M	193	3	49*	30	89	2	225*	4	94*	38	98	0	0*	0	0*	0	0*	37	108	13	93	7	134	8	129	51
	F	234	7	142	33	86	3	572*	7	136	17	85	45	71-	22	207#	29	105	0	0*	13	204+	2	43*	10	162	46
	T	427	10		63		5		11		55		45		22		29		37		26		9		18		97
NORTH ATTLEBORO	M	31	2	215*	3	59*	2	999*	3	473*	9	166	0	0*	0	0*	0	0*	4	76*	0	0*	1	126*	2	164*	5
	F	36	4	530*	7	121	0	0*	1	128*	2	66*	6	61	3	174*	2	47*	0	0*	1	97*	0	0*	3	329*	7
	T	67	6		10		2		4		11		6		3		2		4		1		1		5		12
NORTON	M	22	4	564*	3	79*	0	0*	0	0*	1	23*	0	0*	0	0*	0	0*	4	104*	1	62*	0	0*	1	143*	8
	F	25	0	0*	4	136*	0	0*	1	257*	0	0*	6	86	6	334#	2	66*	0	0*	3	590*	0	0*	0	0*	3
	T	47	4		7		0		1		1		6		6		2		4		4		0		1		11
OAK BLUFFS	M	3	0	0*	0	0*	0	0*	0	0*	1	152*	0	0*	0	0*	0	0*	1	232*	0	0*	0	0*	0	0*	1
	F	6	0	0*	0	0*	0	0*	1	692*	1	173*	1	60*	0	0*	0	0*	0	0*	1	532*	0	0*	0	0*	2
	T	9	0		0		0		1		2		1		0		0		1		1		0		0		3
ORLEANS	M	27	2	224*	2	40*	0	0*	0	0*	5	96	0	0*	0	0*	0	0*	9	164	3	145*	1	152*	1	119*	4
	F	23	0	0*	4	100*	0	0*	1	182*	2	89*	3	48*	3	431*	3	108*	0	0*	2	324*	0	0*	0	0*	5
	T	50	2		6		0		1		7		3		3		3		9		5		1		1		9
PEMBROKE	M	11	0	0*	1	54*	0	0*	0	0*	2	92*	0	0*	0	0*	0	0*	2	98*	0	0*	0	0*	0	0*	6
	F	13	0	0*	4	248*	0	0*	0	0*	1	90*	0	0*	1	109*	2	122*	0	0*	0	0*	1	418*	0	0*	4
	T	24	0		5		0		0		3		0		1		2		2		0		1		0		10
PLAINVILLE	M	13	0	0*	3	143*	0	0*	0	0*	3	120*	0	0*	0	0*	0	0*	0	0*	1	119*	0	0*	0	0*	6
	F	11	1	381*	2	102*	0	0*	0	0*	1	128*	1	35*	0	0*	2	168*	0	0*	0	0*	1	472*	1	324*	2
	T	24	1		5		0		0		4		1		0		2		0		1		1		1		8
PLYMOUTH	M	59	2	109*	10	98	0	0*	3	239*	10	89	0	0*	0	0*	0	0*	9	80	7	169	1	65*	1	49*	16
	F	79	2	114*	11	80	0	0*	4	217*	9	128	25	120	5	158	8	86	0	0*	1	47*	1	61*	3	145*	10
	T	138	4		21		0		7		19		25		5		8		9		8		2		4		26

NOTE: PIR REPRESENTS PROPORTIONAL INCIDENCE RATIO (OBSERVED/EXPECTED) X 100; PIR OF 999 = PIR > 1000;
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Table 8
Cancer Incidence in HSA V Cities and Towns, 1982
(continued)

MASSACHUSETTS DEPARTMENT OF PUBLIC HEALTH CANCER REGISTRY
1982 CANCER INCIDENCE

HSA V CITY-TOWN	SEX	ALL SITES	01	PIR	02	PIR	03	PIR	04	PIR	05	PIR	06	PIR	07	PIR	08	PIR	09	PIR	10	PIR	11	PIR	12	PIR	OTHER SITES
PLYMPTON	M	4	0	0*	0	0*	0	0*	1	999*	0	0*	0	0*	0	0*	0	0*	2	315*	1	341*	0	0*	0	0*	0
	F	3	0	0*	0	0*	0	0*	0	0*	1	281*	2	224*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0
	T	7	0		0		0		1		1		2		0		0		2		1		0		0		0
PROVINCETOWN	M	7	0	0*	2	168*	0	0*	0	0*	2	157*	0	0*	0	0*	0	0*	1	87*	1	205*	0	0*	0	0*	1
	F	15	0	0*	5	259	0	0*	0	0*	1	74*	4	97*	1	145*	3	160*	0	0*	0	0*	0	0*	0	0*	1
	T	22	0		7		0		0		3		4		1		3		1		1		0		0		2
RAYNHAM	M	11	1	313*	1	62*	0	0*	1	451*	0	0*	0	0*	0	0*	0	0*	1	78*	0	0*	0	0*	1	236*	6
	F	13	0	0*	0	0*	0	0*	0	0*	1	73*	6	165	1	211*	1	60*	0	0*	0	0*	0	0*	0	0*	4
	T	24	1		1		0		1		1		6		1		1		1		0		0		1		10
REHOBOTH	M	15	0	0*	1	43*	0	0*	0	0*	1	40*	0	0*	0	0*	0	0*	5	192	1	110*	0	0*	0	0*	7
	F	11	1	703*	0	0*	0	0*	0	0*	1	137*	4	138*	0	0*	1	76*	0	0*	0	0*	1	547*	0	0*	3
	T	26	1		1		0		0		2		4		0		1		5		1		1		0		10
ROCHESTER	M	3	0	0*	0	0*	0	0*	0	0*	2	348*	0	0*	0	0*	0	0*	1	166*	0	0*	0	0*	0	0*	0
	F	6	0	0*	0	0*	0	0*	0	0*	0	0*	2	121*	0	0*	0	0*	0	0*	0	0*	1	934*	0	0*	3
	T	9	0		0		0		0		2		2		0		0		1		0		1		0		3
ROCKLAND	M	18	1	174*	4	128*	0	0*	0	0*	3	86*	0	0*	0	0*	0	0*	5	145	3	231*	0	0*	0	0*	2
	F	17	0	0*	4	163*	0	0*	0	0*	1	74*	4	94*	0	0*	2	101*	0	0*	0	0*	1	318*	0	0*	5
	T	35	1		8		0		0		4		4		0		2		5		3		1		0		7
SANDWICH	M	22	0	0*	2	52*	0	0*	0	0*	6	126	0	0*	0	0*	0	0*	2	53*	6	374#	2	315*	2	305*	2
	F	28	0	0*	4	83*	0	0*	0	0*	2	89*	8	106	0	0*	4	126*	0	0*	1	119*	2	371*	0	0*	7
	T	50	0		6		0		0		8		8		0		4		2		7		4		2		9
SEEKONK	M	22	0	0*	2	51*	0	0*	1	200*	6	132	0	0*	0	0*	0	0*	5	132	2	118*	0	0*	1	149*	5
	F	21	1	309*	4	152*	0	0*	0	0*	1	53*	3	48*	2	153*	5	188	0	0*	2	434*	0	0*	1	225*	2
	T	43	1		6		0		1		7		3		2		5		5		4		0		2		7
SOMERSET	M	48	2	131*	13	155	1	450*	1	95*	15	155	0	0*	0	0*	0	0*	4	46*	3	88*	2	152*	2	132*	5
	F	49	1	88*	6	69	0	0*	1	85*	3	69*	11	84	4	235*	3	53*	0	0*	0	0*	4	400*	0	0*	16
	T	97	3		19		1		2		18		11		4		3		4		3		6		2		21
STOUGHTON	M	50	3	191*	9	108	1	429*	1	93*	10	99	0	0*	0	0*	0	0*	9	106	2	58*	2	141*	2	124*	11
	F	58	0	0*	9	100	1	720*	2	166*	3	61*	10	65	2	69*	13	188+	0	0*	2	142*	2	175*	0	0*	14
	T	108	3		18		2		3		13		10		2		13		9		4		4		2		25
SWANSEA	M	28	1	109*	6	119	0	0*	0	0*	5	87	0	0*	0	0*	0	0*	2	39*	4	192*	1	133*	3	352*	6
	F	34	2	275*	5	89	0	0*	0	0*	4	126*	7	74	5	425#	3	74*	0	0*	1	99*	0	0*	0	0*	7
	T	62	3		11		0		0		9		7		5		3		2		5		1		3		13
TAUNTON	M	101	1	32*	16	95	1	212*	2	93*	20	102	0	0*	0	0*	0	0*	19	116	6	85	5	180	3	84*	28
	F	80	3	172*	11	80	0	0*	4	214*	8	105	30	142	0	0*	3	31*	0	0*	1	48*	3	182*	4	163*	13
	T	181	4		27		1		6		28		30		0		3		19		7		8		7		41

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# OR = INDICATES STATISTICAL SIGNIFICANCE AT .01 LEVEL;
* INDICATES STATISTICAL SIGNIFICANCE NOT CALCULATED WHEN OBSERVATIONS < 5;

Table 8
Cancer Incidence in HSA V Cities and Towns, 1982
(continued)

MASSACHUSETTS DEPARTMENT OF PUBLIC HEALTH CANCER REGISTRY
1982 CANCER INCIDENCE

HSA V CITY-TOWN	SEX	ALL SITES	01	PIR	02	PIR	03	PIR	04	PIR	05	PIR	06	PIR	07	PIR	08	PIR	09	PIR	10	PIR	11	PIR	12	PIR	OTHER SITES
TISBURY	M	3	0	0*	0	0*	0	0*	1	999*	0	0*	0	0*	0	0*	0	0*	1	182*	0	0*	0	0*	0	0*	1
	F	7	0	0*	2	137*	0	0*	0	0*	1	163*	3	172*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	1
	T	10	0		2		0		1		1		3		0		0		1		0		0		0		2
TRURO	M	7	0	0*	0	0*	0	0*	0	0*	1	64*	0	0*	0	0*	0	0*	2	177*	0	0*	1	473*	0	0*	3
	F	9	0	0*	2	100*	0	0*	0	0*	2	312*	4	179*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	1
	T	16	0		2		0		0		3		4		0		0		2		0		1		0		4
WAREHAM	M	36	0	0*	3	51*	0	0*	0	0*	14	202+	0	0*	0	0*	0	0*	9	146	1	41*	0	0*	0	0*	9
	F	28	0	0*	5	123	1	999*	0	0*	1	39*	10	124	2	149*	4	116*	0	0*	3	430*	1	196*	1	156*	0
	T	64	0		8		1		0		15		10		2		4		9		4		1		1		9
WELLFLEET	M	7	0	0*	0	0*	0	0*	1	658*	2	135*	0	0*	0	0*	0	0*	2	153*	1	197*	0	0*	0	0*	1
	F	10	0	0*	3	201*	0	0*	0	0*	0	0*	2	83*	0	0*	2	184*	0	0*	1	311*	0	0*	0	0*	2
	T	17	0		3		0		1		2		2		0		2		2		2		0		0		3
WEST BRIDGEWATER	M	13	0	0*	1	49*	0	0*	0	0*	2	84*	0	0*	0	0*	0	0*	2	103*	1	113*	0	0*	0	0*	7
	F	9	0	0*	1	61*	0	0*	2	906*	0	0*	4	173*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	2
	T	22	0		2		0		2		2		4		0		0		2		1		0		0		9
WEST TISBURY	M	3	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	2	999*	0	0*	0	0*	1
	F	0	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0
	T	3	0		0		0		0		0		0		0		0		0		2		0		0		1
WESTPORT	M	26	0	0*	5	109	1	812*	0	0*	6	113	0	0*	0	0*	0	0*	2	42*	3	165*	1	139*	0	0*	8
	F	35	0	0*	5	85	0	0*	0	0*	2	69*	10	105	4	257*	4	100*	0	0*	0	0*	0	0*	2	220*	8
	T	61	0		10		1		0		8		10		4		4		2		3		1		2		16
WHITMAN	M	21	2	307*	6	173	0	0*	0	0*	4	109*	0	0*	0	0*	0	0*	2	52*	2	135*	1	190*	2	269*	2
	F	24	1	205*	4	107*	0	0*	1	199*	1	52*	9	137	0	0*	3	106*	0	0*	0	0*	0	0*	0	0*	5
	T	45	3		10		0		1		5		9		0		3		2		2		1		2		7
YARMOUTH	M	70	2	88*	14	109	0	0*	1	64*	16	114	0	0*	0	0*	0	0*	14	97	5	98	2	110*	4	187*	12
	F	77	4	223*	20	144	0	0*	0	0*	8	116	20	98	3	116*	8	90	0	0*	0	0*	0	0*	2	97*	12
	T	147	6		34		0		1		24		20		3		8		14		5		2		6		24

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Table 9
Cancer Incidence in HSA VI Cities and Towns, 1982

MASSACHUSETTS DEPARTMENT OF PUBLIC HEALTH CANCER REGISTRY
1982 CANCER INCIDENCE

HSA VI CITY-TOWN	SEX	ALL SITES	01	PIR	02	PIR	03	PIR	04	PIR	05	PIR	06	PIR	07	PIR	08	PIR	09	PIR	10	PIR	11	PIR	12	PIR	OTHER SITES
BEVERLY	M	77	2	81*	12	88	0	0*	4	234*	17	109	1	697*	0	0*	0	0*	18	133	0	0*	2	96*	3	124*	18
	F	88	2	115*	13	95	0	0*	2	108*	9	118	22	95	4	114*	16	153	0	0*	0	0*	1	58*	3	100*	16
	T	165	4		25		0		6		26		23		4		16		18		0		3		6		34
DANVERS	M	51	0	0*	9	110	0	0*	2	189*	16	164	0	0*	0	0*	0	0*	8	99	5	143	0	0*	1	57*	10
	F	59	0	0*	9	98	0	0*	0	0*	6	112	21	126	3	117*	5	70	0	0*	2	123*	1	89*	2	141*	10
	T	110	0		18		0		2		22		21		3		5		8		7		1		3		20
ESSEX	M	4	0	0*	2	294*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	2	287*	0	0*	0	0*	0	0*	0
	F	1	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	1
	T	5	0		2		0		0		0		0		0		0		2		0		0		0		1
EVERETT	M	75	3	134*	7	59	1	283*	1	65*	20	141	0	0*	0	0*	0	0*	8	72	4	80*	2	94*	2	71*	27
	F	70	0	0*	12	96	0	0*	0	0*	4	60*	27	143	4	192*	7	84	0	0*	4	203*	1	69*	3	165*	8
	T	145	3		19		1		1		24		27		4		7		8		8		3		5		35
GLOUCESTER	M	50	3	185*	10	112	0	0*	2	181*	11	110	1	999*	0	0*	0	0*	6	62	4	109*	1	76*	1	64*	11
	F	77	1	64*	13	105	1	610*	2	117*	13	170	19	88	3	111*	8	84	0	0*	0	0*	1	64*	3	163*	13
	T	127	4		23		1		4		24		20		3		8		6		4		2		4		24
HAMILTON	M	10	0	0*	0	0*	0	0*	0	0*	2	103*	0	0*	0	0*	0	0*	4	233*	1	154*	0	0*	1	231*	2
	F	13	1	408*	2	102*	0	0*	0	0*	1	80*	6	175	0	0*	1	63*	0	0*	0	0*	0	0*	0	0*	2
	T	23	1		2		0		0		3		6		0		1		4		1		0		1		4
IPSWICH	M	29	0	0*	9	173	0	0*	1	154*	5	85	1	999*	0	0*	0	0*	6	111	0	0*	0	0*	0	0*	7
	F	27	1	150*	5	98	0	0*	1	147*	1	44*	6	85	3	340*	0	0*	0	0*	0	0*	0	0*	6	794#	4
	T	56	1		14		0		2		6		7		3		0		6		0		0		6		11
LYNN	M	194	3	49*	32	96	0	0*	6	143	55	143#	0	0*	0	0*	0	0*	28	83	9	66	6	113	8	121	47
	F	210	5	110	36	101	1	204*	5	103	21	107	53	95	4	57*	31	123	0	0*	5	88	2	46*	9	151	38
	T	404	8		68		1		11		76		53		4		31		28		14		8		17		85
LYNNFIELD	M	27	2	236*	4	88*	0	0*	0	0*	5	99	0	0*	0	0*	0	0*	8	178	0	0*	1	141*	1	109*	6
	F	20	0	0*	2	70*	0	0*	1	249*	2	99*	8	134	0	0*	5	196	0	0*	0	0*	0	0*	0	0*	2
	T	47	2		6		0		1		7		8		0		5		8		0		1		1		8
MALDEN	M	118	4	110*	22	113	0	0*	3	120*	27	115	0	0*	0	0*	0	0*	17	91	12	145	2	60*	2	47*	29
	F	141	5	165	24	101	0	0*	1	31*	18	136	36	95	4	75*	13	76	0	0*	2	54*	1	34*	3	84*	34
	T	259	9		46		0		4		45		36		4		13		17		14		3		5		63
MANCHESTER	M	3	0	0*	0	0*	0	0*	1	999*	1	146*	0	0*	0	0*	0	0*	1	202*	0	0*	0	0*	0	0*	0
	F	10	0	0*	2	137*	0	0*	1	479*	2	170*	2	68*	0	0*	1	74*	0	0*	0	0*	0	0*	0	0*	2
	T	13	0		2		0		2		3		2		0		1		1		0		0		0		2
MARBLEHEAD	M	38	0	0*	12	197+	0	0*	0	0*	4	54*	0	0*	0	0*	0	0*	5	89	1	38*	2	185*	2	154*	12
	F	55	1	79*	9	94	0	0*	2	156*	9	207+	10	73	1	57*	8	131	0	0*	1	60*	0	0*	2	94*	12
	T	93	1		21		0		2		13		10		1		8		5		2		2		4		24

NOTE: PIR REPRESENTS PROPORTIONAL INCIDENCE RATIO (OBSERVED/EXPECTED) X 100; PIR OF 999 = PIR > 1000;
+ OR - INDICATES STATISTICAL SIGNIFICANCE AT .05 LEVEL;
# OR = INDICATES STATISTICAL SIGNIFICANCE AT .01 LEVEL;
* INDICATES STATISTICAL SIGNIFICANCE NOT CALCULATED WHEN OBSERVATIONS < 5;

Table 9
Cancer Incidence in HSA VI Cities and Towns, 1982
(continued)

MASSACHUSETTS DEPARTMENT OF PUBLIC HEALTH CANCER REGISTRY
1982 CANCER INCIDENCE

HSA VI CITY-TOWN	SEX	ALL SITES	01	PIR	02	PIR	03	PIR	04	PIR	05	PIR	06	PIR	07	PIR	08	PIR	09	PIR	10	PIR	11	PIR	12	PIR	OTHER SITES
MEDFORD	M	124	4	101*	29	136	1	169*	3	111*	28	109	0	0*	0	0*	0	0*	19	87	9	102	3	86*	1	25*	27
	F	151	3	96*	27	110	0	0*	2	60*	8	57	43	103	4	65*	19	104	0	0*	9	224+	1	33*	6	161	29
	T	275	7		56		1		5		36		43		4		19		19		18		4		7		56
MELROSE	M	70	2	90*	10	82	0	0*	3	198*	8	61	0	0*	0	0*	0	0*	10	76	8	157	3	169*	4	173*	22
	F	92	0	0*	14	96	1	441*	1	50*	8	94	28	113	1	28*	14	126	0	0*	1	43*	1	55*	0	0*	23
	T	162	2		24		1		4		16		28		1		14		10		9		4		4		45
MIDDLETON	M	2	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	2	491*	0	0*	0	0*	0	0*	0
	F	11	0	0*	1	53*	0	0*	0	0*	2	233*	4	157*	0	0*	2	163*	0	0*	0	0*	0	0*	0	0*	2
	T	13	0		1		0		0		2		4		0		2		2		0		0		0		2
NAHANT	M	6	0	0*	0	0*	0	0*	0	0*	1	92*	0	0*	0	0*	0	0*	2	139*	1	227*	0	0*	0	0*	2
	F	5	0	0*	1	154*	0	0*	0	0*	1	202*	3	207*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0
	T	11	0		1		0		0		2		3		0		0		2		1		0		0		2
NORTH READING	M	23	1	135*	6	153	0	0*	1	195*	4	82*	0	0*	0	0*	0	0*	2	58*	4	238*	0	0*	1	139*	4
	F	28	0	0*	1	25*	0	0*	0	0*	5	192	7	87	2	150*	4	115*	0	0*	0	0*	2	377*	0	0*	7
	T	51	1		7		0		1		9		7		2		4		2		4		2		1		11
PEABODY	M	107	3	92*	19	114	0	0*	1	45*	17	80	0	0*	0	0*	0	0*	22	149	8	109	3	96*	3	76*	31
	F	74	1	67*	17	144	0	0*	0	0*	5	72	18	87	3	99*	12	134	0	0*	5	272+	0	0*	0	0*	13
	T	181	4		36		0		1		22		18		3		12		22		13		3		3		44
READING	M	51	3	193*	6	75	0	0*	3	278*	9	89	0	0*	0	0*	0	0*	5	75	2	58*	3	199*	2	114*	18
	F	55	0	0*	10	130	0	0*	0	0*	1	21*	19	125	0	0*	8	119	0	0*	0	0*	1	98*	3	203*	13
	T	106	3		16		0		3		10		19		0		8		5		2		4		5		31
ROCKPORT	M	10	0	0*	4	242*	0	0*	0	0*	2	109*	0	0*	0	0*	0	0*	0	0*	1	139*	0	0*	0	0*	3
	F	13	0	0*	3	126*	0	0*	2	622*	2	176*	4	117*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	2
	T	23	0		7		0		2		4		4		0		0		0		1		0		0		5
SALEM	M	75	2	84*	10	77	0	0*	5	305+	13	85	0	0*	0	0*	0	0*	13	103	3	56*	5	240	2	80*	22
	F	78	3	179*	10	77	1	542*	1	56*	4	56*	20	95	10	364#	11	118	0	0*	3	137*	3	192*	4	184*	8
	T	153	5		20		1		6		17		20		10		11		13		6		8		6		30
SAUGUS	M	46	4	272*	9	112	0	0*	1	100*	10	109	0	0*	0	0*	0	0*	10	115	2	60*	1	81*	1	65*	8
	F	44	2	233*	11	161	0	0*	0	0*	4	94*	10	83	1	64*	6	110	0	0*	1	89*	2	228*	0	0*	7
	T	90	6		20		0		1		14		10		1		6		10		3		3		1		15
STONEHAM	M	51	1	62*	13	149	0	0*	1	90*	9	86	0	0*	0	0*	0	0*	10	114	4	110*	0	0*	0	0*	13
	F	58	1	73*	10	93	0	0*	1	69*	8	142	20	128	1	72*	3	44*	0	0*	0	0*	1	84*	0	0*	13
	T	109	2		23		0		2		17		20		1		3		10		4		1		0		26
SWAMPSCOTT	M	25	1	135*	3	74*	0	0*	0	0*	3	61*	0	0*	0	0*	0	0*	6	146	2	123*	0	0*	0	0*	10
	F	36	0	0*	6	89	0	0*	2	220*	3	93*	11	117	0	0*	1	24*	0	0*	1	97*	3	405*	2	203*	7
	T	61	1		9		0		2		6		11		0		1		6		3		3		2		17

NOTE: PIR REPRESENTS PROPORTIONAL INCIDENCE RATIO (OBSERVED/EXPECTED) X 100; PIR OF 999 = PIR > 1000;
+ OR - INDICATES STATISTICAL SIGNIFICANCE AT .05 LEVEL;
# OR = INDICATES STATISTICAL SIGNIFICANCE AT .01 LEVEL;
* INDICATES STATISTICAL SIGNIFICANCE NOT CALCULATED WHEN OBSERVATIONS < 5;

Table 9
Cancer Incidence in HSA VI Cities and Towns, 1982
(continued)

MASSACHUSETTS DEPARTMENT OF PUBLIC HEALTH CANCER REGISTRY
1982 CANCER INCIDENCE

HSA VI CITY-TOWN	SEX	ALL SITES	01	PIR	02	PIR	03	PIR	04	PIR	05	PIR	06	PIR	07	PIR	08	PIR	09	PIR	10	PIR	11	PIR	12	PIR	OTHER SITES
TOPSFIELD	M	6	1	505*	1	95*	0	0*	1	759*	0	0*	0	0*	0	0*	0	0*	3	259*	0	0*	0	0*	0	0*	0
	F	12	0	0*	0	0*	0	0*	0	0*	1	91*	7	210	0	0*	4	277*	0	0*	0	0*	0	0*	0	0*	0
	T	18	1		1		0		1		1		7		0		4		3		0		0		0		0
WAKEFIELD	M	57	2	114*	8	84	0	0*	1	83*	14	131	0	0*	0	0*	0	0*	8	84	3	76*	1	66*	5	243	15
	F	65	2	133*	8	69	0	0*	1	63*	11	183	16	92	1	48*	8	105	0	0*	3	162*	1	75*	3	175*	11
	T	122	4		16		0		2		25		16		1		8		8		6		2		8		26
WENHAM	M	6	0	0*	0	0*	0	0*	0	0*	1	80*	0	0*	0	0*	0	0*	1	78*	1	247*	0	0*	3	999*	0
	F	3	0	0*	0	0*	1	999*	0	0*	0	0*	0	0*	1	934*	0	0*	0	0*	0	0*	0	0*	1	999*	0
	T	9	0		0		1		0		1		0		1		0		1		1		0		4		0

NOTE: PIR REPRESENTS PROPORTIONAL INCIDENCE RATIO (OBSERVED/EXPECTED) X 100; PIR OF 999 = PIR > 1000;
+ OR - INDICATES STATISTICAL SIGNIFICANCE AT .05 LEVEL;
# OR = INDICATES STATISTICAL SIGNIFICANCE AT .01 LEVEL;
* INDICATES STATISTICAL SIGNIFICANCE NOT CALCULATED WHEN OBSERVATIONS < 5;

Table 10
Cancer Incidence by HSA, 1982

MASSACHUSETTS DEPARTMENT OF PUBLIC HEALTH CANCER REGISTRY
1982 CANCER INCIDENCE

HSA TOTALS

HSA	SEX	ALL SITES	01	PIR	02	PIR	03	PIR	04	PIR	05	PIR	06	PIR	07	PIR	08	PIR	09	PIR	10	PIR	11	PIR	12	PIR	OTHER SITES
I	M	1509	44	92	257	99	6	86	31	94	275	91	4	144*	0	0*	0	0*	250	95	132	122+	28	68-	53	108	429
	F	1630	34	98	248	91	4	108*	33	89	139	92	462	104	38	64=	214	110	0	0*	56	127	33	102	42	96	327
	T	3139	78		505		10		64		414		466		38		214		250		188		61		95		756
II	M	1403	46	105	219	93	9	137	23	76	315	112+	2	77*	0	0*	0	0*	249	105	94	95	32	82	47	99	367
	F	1517	43	129	246	95	3	84*	33	94	125	93	427	105	61	111	199	112	0	0*	29	68-	38	126	43	102	270
	T	2920	89		465		12		56		440		429		61		199		249		123		70		90		637
III	M	885	29	103	147	97	5	120	16	83	197	109	2	116*	0	0*	0	0*	117	80-	75	119	23	93	23	81	251
	F	917	19	99	148	99	3	142*	28	138	81	100	256	102	25	66-	107	98	0	0*	25	101	29	162+	23	94	173
	T	1802	48		295		8		44		278		258		25		107		117		100		52		46		424
IV	M	4125	122	94	721	103	22	115	94	105	773	94	7	92	0	0*	0	0*	734	103	268	91	134	118	139	102	1111
	F	4635	92	92	827	106	8	75	100	95	432	104	1226	98	150	85	535	98	0	0*	126	99	78	85	118	94	943
	T	8760	214		1548		30		194		1205		1233		150		535		734		394		212		257		2054
V	M	2172	79	115	367	98	9	91	43	92	435	103	3	79*	0	0*	0	0*	398	101	160	103	62	107	75	103	541
	F	2318	52	105	374	97	6	109	64	124	195	97	592	95	154	161#	238	87-	0	0*	69	109	48	105	66	101	460
	T	4490	131		741		15		107		630		595		154		238		398		229		110		141		1001
VI	M	1335	41	98	237	105	2	32*	40	140+	282	106	3	119*	0	0*	0	0*	224	101	84	89	35	95	43	94	344
	F	1496	28	89	246	99	5	144	25	74	149	108	420	104	50	91	187	104	0	0*	37	92	22	73	50	122	277
	T	2831	69		483		7		65		431		423		50		187		224		121		57		93		621

Table 11
Age-Specific Cancer Incidence in Massachusetts, 1982

STATEWIDE TOTALS

SEX	AGES	ALL SITES	01	02	03	04	05	06	07	08	09	10	11	12	OTHER SITES
MALES	00-19	114	0	2	1	0	3	0	0	0	0	1	3	19	85
	20-44	615	12	44	2	8	44	2	0	0	2	24	17	38	422
	45-64	3676	122	591	21	86	912	12	0	0	317	276	126	104	1109
	65-74	3763	117	653	19	81	824	3	0	0	767	247	114	109	829
	75-84	2523	83	526	9	58	411	3	0	0	651	195	45	84	458
	85+	738	27	132	1	14	83	1	0	0	235	70	9	26	140
FEMALES	00-19	117	0	2	2	0	0	0	0	11	0	0	2	27	73
	20-44	1238	4	39	3	3	36	381	211	152	0	12	15	21	361
	45-64	4204	53	476	9	71	521	1358	150	601	0	82	73	70	740
	65-74	3307	82	649	6	89	359	817	61	408	0	90	84	90	572
	75-84	2610	87	649	6	84	174	600	40	233	0	86	52	92	507
	85+	1037	42	274	3	36	31	227	16	75	0	72	22	42	197

NOTE: PIR REPRESENTS PROPORTIONAL INCIDENCE RATIO (OBSERVED/EXPECTED) X 100; PIR OF 999 = PIR > 1000;
+ OR - INDICATES STATISTICAL SIGNIFICANCE AT .05 LEVEL;
# OR = INDICATES STATISTICAL SIGNIFICANCE AT .01 LEVEL;
* INDICATES STATISTICAL SIGNIFICANCE NOT CALCULATED WHEN OBSERVATIONS < 5;

APPENDIX I

The Commonwealth of Massachusetts
Department of Public Health
Cancer Registry

Check if:

☐ Addition

☐ Deletion

HOSPITAL NAME	CODE	DATE OF DIAGNOSIS M M D D Y Y	HOSPITAL RECORD NUMBER

LAST NAME	FIRST NAME	M.I.	SEX	RACE

MAIDEN NAME (IF APPLIC.)	STREET ADDRESS	CITY/TOWN NAME	STATE

ZIP CODE	BIRTHDATE M M D D Y Y	AGE	BIRTH STATE	SMOK. ST.	PRIMARY SITE	HISTOLOGY	STAGE
–							

SEQ. NO.	CONF.	PLACE DX.	VIT. ST.	RESEARCH	USUAL OCCUPATION:	DO NOT FILL IN. DPH USE ONLY.

NOTE: Ch. 111, s. 111B of the Massachusetts General Laws requires hospitals to report the above information. The following codes are to be used for certain of the responses. Refer to detailed instructions for further explanation.

SEX

M = Male
F = Female
U = Unknown

STATE

Use two-letter postal abbreviation. If from outside U.S., see instructions.

RACE/ETHNIC GROUP

0 = Caucasian of Spanish origin or surname
1 = Caucasian, not otherwise specified
2 = Black, including Haitian and Cape Verdean
3 = American Indian or Alaskan native
4 = Chinese
5 = Japanese
6 = Other Asian or Pacific Islander
7 = Other non-white
9 = Unknown race or ethnic group

AGE

Give two-digit age at last birthday. Code 01, 02, etc., if under 10 years. If 98 or older, code 98; if unknown, code 99.

SMOK. ST.
(Smoking Status)

0 = Never smoked cigarettes
1 = Former cigarette smoker
2 = Cigarette smoker at time of diagnosis
9 = Smoking status unknown

ZIP CODE

Use nine-digit postal Zip Code, if available. If not, code five digits to left of dash.

PRIMARY SITE

Use the first block to code the classification system used (9 = ICD-9, 0 = ICD-0, etc.). See instructions for details.

HISTOLOGY

Use the first block to code the histologic system used (P = SNOP, M = SNOMED, etc.). See instructions for details.

STAGE

Use the first block to code the staging system used on this patient (J = Am. Joint Commission, T = TNM, S = SEER, etc.). See instructions for details.

SEQ. NO.
(Sequence of Diagnosis)

1 = First primary tumor
2 = Second . . . up to
8 = Eighth or more
9 = Unspecified

CONF.
(Confirmation Method)

1 = Positive Histology
2 = Positive exfoliative cytology in the absence of positive histology
3 = Positive microscopic confirmation, not otherwise specified
4 = Diagnosis made at autopsy
5 = Direct clinical visualization without microscopic confirmation
6 = Radiography without microscopic confirmation
7 = Clinical diagnosis other than #5 or #6
9 = Unknown or unspecified whether microscopic confirmation was obtained

PLACE DX.
(Place of Diagnosis)

1 = Diagnosis made at your facility (see #6, also)
2 = Diagnosis made at another Massachusetts hospital
3 = Diagnosis made in Massachusetts but not in a hospital (includes private offices)
4 = Diagnosis made in a hospital outside of Massachusetts
5 = Diagnosis made outside of Massachusetts but not in a hospital
6 = Diagnosis made at autopsy (if both #1 and #6 are true, code #6)

VIT. ST.
(Vital Status)

1 = Patient living
2 = Patient deceased

RESEARCH

Use two right-hand columns only. If you do not wish to use this option, leave blank.

Please use other side for additional clinical and diagnostic notes, as appropriate.

Form MCR - 82-001

APPENDIX II

In calculating a standardized Proportional Incidence Ratio (PIR), the expected number of cases of particular types of cancer in a town are computed on the basis of the proportion (percentage) of that cancer in the State population. These expected numbers are age-, sex-, and time-specific; in this case, we are comparing the town to the State for 1982 only, since that is the only year for which statewide data are available. The total number of cancers expected is divided into the total number observed:

$$PIR = \frac{\text{Observed}}{\text{Expected}} \times 100.$$

The following example illustrates the method for an hypothetical town for one type of cancer:

	TOWN X	STATE		
AGE GROUP	ALL 1982 CANCER CASES (1)	CANCER TYPE AS PROPORTION OF ALL 1982 CASES (2)	EXPECTED NEW CASES OF THIS TYPE IN TOWN X (3)=(1)X(2)	ACTUAL NEW CASES OF THIS TYPE IN TOWN X (4)
0-19	3	.01	0.0	0
20-44	9	.07	0.6	1
45-64	15	.11	1.7	3
65-74	25	.15	3.8	4
75-84	15	.20	3.0	3
85+	7	.15	1.1	0
			10.2	11.0

$$PIR = \frac{\text{Actual cases}}{\text{Expected cases}} \times 100 = \frac{11}{10.2} \times 100 = 108$$

Significance testing is by the usual Chi-square method.

Reference: Monson, Richard R. Occupational Epidemiology, (CRC Press, Boca Raton, Fla.), 1980.

APPENDIX III

MASSACHUSETTS CANCER REGISTRY ADVISORY COMMITTEE

Howard Ulfelder, M.D., Chairman
Cox Cancer Center
Massachusetts General Hospital

Senator Louis Bertonazzi
Massachusetts Senate

Anthony Cortese, Sc.D., Commissioner
Department of Environmental Quality Engineering

Barbara Fegan, past President
League of Women Voters

Robina Folland, Cancer Center Administrator
Tufts New England Medical Center

David Kinzer, Executive Director
Massachusetts Hospital Association

William Munier, M.D., Executive Vice-President
Massachusetts Medical Society

Harvey Neitlich, M.D.
Southeastern Massachusetts Cancer Registry

David Ozonoff, M.D., M.P.H., Chief, Environmental Health Section
Boston University School of Public Health

Gerald S. Parker, P.E., Assistant Commissioner for
Environmental Health
Massachusetts Department of Public Health

Robert W. Tuthill, Ph.D., Professor
Department of Epidemiology
University of Massachusetts

Richard Youngstrom, C.I.H.
I.U.E. Local 201 Health and Safety Committee

Alternates:

Halina Brown, Ph.D.
Office of Criteria and Standards
Department of Environmental Quality Engineering

John Cutler, M.D., Ph.D.
Division of Environmental Health Assessment
Massachusetts Department of Public Health

RESEARCH SUBCOMMITTEE

Leslie Lipworth, M.D., Chairman
Department of Family and Community Medicine
University of Massachusetts Medical School

Theodore Colton, Sc.D.
Boston University School of Public Health

Patricia Riecker, Ph.D.
Dana-Farber Cancer Institute

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John Cutler, M.D., Ph.D.
Division of Environmental Health Assessment
Massachusetts Department of Public Health

Lorenz Finison, Ph.D.
Department of Community Health
Tufts University Medical School

Alexander Walker, M.D., D.P.H. (former Chairman)
Harvard School of Public Health, on leave at
International Agency for Research on Cancer

APPENDIX IV

1980 POPULATIONS FOR MASSACHUSETTS CITIES AND TOWNS

HSA I -- WESTERN MASSACHUSETTS

Adams	10,381	Huntington	1,804
Agawam	26,271	Lanesborough	3,131
Alford	394	Lee	6,247
Amherst	33,229	Lenox	6,523
Ashfield	1,458	Leverett	1,471
Athol	10,634	Leyden	498
Becket	1,339	Longmeadow	16,301
Belchertown	8,339	Ludlow	18,150
Bernardston	1,750	Middlefield	385
Blandford	1,038	Monroe	179
Buckland	1,864	Monson	7,315
Charlemont	1,149	Montague	8,011
Chicopee	55,112	Monterey	818
Cheshire	3,124	Montgomery	637
Chester	1,123	Mount Washington	93
Chesterfield	1,000	New Ashford	159
Clarksburg	1,871	New Marlborough	1,160
Colrain	1,552	New Salem	688
Conway	1,213	North Adams	18,063
Cummington	657	Northampton	29,286
Dalton	6,797	Northfield	2,386
Deerfield	4,517	Orange	6,844
Easthampton	15,580	Otis	963
East Longmeadow	12,905	Palmer	11,389
Egremont	1,311	Pelham	1,112
Erving	1,326	Peru	633
Florida	730	Petersham	1,024
Gill	1,259	Phillipston	953
Goshen	651	Pittsfield	51,974
Granby	5,380	Plainfield	425
Granville	1,204	Richmond	1,659
Great Barrington	7,405	Rowe	336
Greenfield	18,436	Royalston	955
Hadley	4,125	Russell	1,570
Hampden	4,745	Sandisfield	720
Hancock	643	Savoy	644
Hatfield	3,045	Sheffield	2,743
Hawley	280	Shelburne	2,002
Heath	482	Shutesbury	1,049
Hinsdale	1,707	South Hadley	16,399
Holyoke	44,678	Southampton	4,137

Southwick	7,382	West Springfield	27,042
Springfield	152,319	West Stockbridge	1,280
Stockbridge	2,328	Westfield	36,465
Sunderland	2,929	Westhampton	1,137
Tolland	235	Whately	1,341
Tyringham	344	Wilbraham	12,053
Ware	8,953	Willamsburg	2,237
Warren	3,777	Williamstown	8,741
Warwick	603	Windsor	598
Washington	587	Worthington	932
Wendell	694		
		Subtotal HSA I	803,517

HSA II -- CENTRAL MASSACHUSETTS

Ashburnham	4,075	Mendon	3,108
Ashby	2,311	Milford	23,390
Auburn	14,845	Millbury	11,808
Ayer	6,993	Millville	1,693
Barre	4,102	New Braintree	671
Bellingham	14,300	Northbridge	12,246
Berlin	2,215	North Brookfield	4,150
Blackstone	6,570	Oakham	994
Bolton	2,530	Oxford	11,680
Boylston	3,470	Paxton	3,762
Brimfield	2,318	Pepperell	8,061
Brookfield	2,397	Princeton	2,452
Charlton	6,719	Rutland	4,334
Clinton	12,771	Shirley	5,124
Douglas	3,730	Shrewsbury	22,674
Dudley	8,717	Southbridge	16,665
East Brookfield	1,955	Spencer	10,774
Fitchburg	39,580	Sterling	5,440
Franklin	18,217	Sturbridge	5,976
Gardner	17,900	Sutton	5,855
Grafton	11,238	Templeton	6,070
Hardwick	2,272	Townsend	7,201
Harvard	12,170	Upton	3,886
Holden	13,336	Uxbridge	8,374
Holland	1,589	Wales	1,177
Hopedale	3,905	Webster	14,480
Hubbardston	1,797	West Boylston	6,204
Lancaster	6,334	West Brookfield	3,026
Leicester	9,446	Westminster	5,139
Leominster	34,508	Winchendon	7,019
Lunenburg	8,405	Worcester	161,799
Medway	8,447		
		Subtotal HSA II	680,521

HSA III -- MERRIMACK VALLEY

Amesbury	13,971	Merrimac	4,451
Andover	26,370	Methuen	36,701
Billerica	36,727	Newbury	4,529
Boxford	5,374	Newburyport	15,900
Chelmsford	31,174	North Andover	20,129
Dracut	21,249	Rowley	3,867
Dunstable	1,671	Salisbury	5,973
Georgetown	5,687	Tewksbury	24,635
Groveland	5,040	Tyngsborough	5,683
Haverhill	46,865	West Newbury	2,861
Lawrence	63,175	Westford	13,434
Lowell	92,418		
		Subtotal HSA III	487,884

HSA IV -- GREATER BOSTON

Acton	17,544	Marlborough	30,617
Arlington	48,219	Maynard	9,590
Ashland	9,165	Medfield	10,220
Bedford	13,067	Millis	6,908
Belmont	26,100	Milton	25,860
Boston	562,994	Natick	29,461
Boxborough	3,126	Needham	27,901
Braintree	36,337	Newton	83,622
Brookline	55,062	Norfolk	6,363
Burlington	23,486	Northborough	10,568
Cambridge	95,322	Norwell	9,182
Canton	18,182	Norwood	29,711
Carlisle	3,306	Quincy	84,743
Chelsea	25,431	Randolph	28,218
Cohasset	7,174	Revere	42,423
Concord	16,293	Scituate	17,317
Dedham	25,298	Sharon	13,601
Dover	4,703	Sherborn	4,049
Foxborough	14,148	Somerville	77,372
Framingham	65,113	Southborough	6,193
Hingham	20,339	Stow	5,144
Holbrook	11,140	Sudbury	14,027
Holliston	12,622	Walpole	18,859
Hopkinton	7,114	Waltham	58,200
Hudson	16,408	Watertown	34,384
Hull	9,714	Wayland	12,170
Lexington	29,479	Wellesley	27,209
Lincoln	7,098	Westborough	13,619
Littleton	6,970	Weston	11,169
Westwood	13,212	Winthrop	19,294

Weymouth	55,601	Woburn	36,626
Wilmington	17,471	Wrentham	7,580
Winchester	20,701		
		Subtotal HSA IV	2,110,139

HSA V -- SOUTHEASTERN MASSACHUSETTS

Abington	13,517	Marshfield	20,916
Acushnet	8,704	Mashpee	3,700
Attleboro	34,196	Mattapoisett	5,597
Avon	5,026	Middleborough	16,404
Barnstable	30,898	Nantucket	5,087
Berkley	2,731	New Bedford	98,478
Bourne	13,874	North Attleboro	21,095
Brewster	5,226	Norton	12,690
Bridgewater	17,202	Oak Bluffs	1,984
Brockton	95,172	Orleans	5,306
Carver	6,988	Pembroke	13,487
Chatham	6,071	Plainville	5,857
Chilmark	489	Plymouth	35,913
Dartmouth	23,966	Plympton	1,974
Dennis	12,360	Provincetown	3,536
Dighton	5,352	Raynham	9,085
Duxbury	11,807	Rehoboth	7,570
East Bridgewater	9,945	Rochester	3,205
Eastham	3,472	Rockland	15,695
Easton	16,623	Sandwich	8,727
Edgartown	2,204	Seekonk	12,269
Fairhaven	15,759	Somerset	18,813
Fall River	92,574	Stoughton	26,710
Falmouth	23,640	Swansea	15,461
Freetown	7,058	Taunton	45,001
Gay Head	220	Tisbury	2,972
Gosnold	63	Truro	1,486
Halifax	5,513	Wareham	18,457
Hanover	11,358	Wellfleet	2,209
Hanson	8,617	West Bridgewater	6,359
Harwich	8,971	West Tisbury	1,010
Kingston	7,362	Westport	13,763
Lakeville	5,931	Whitman	13,534
Mansfield	13,453	Yarmouth	18,449
Marion	3,932		
		Subtotal HSA V	1,023,073

HSA VI -- NORTH SHORE

Beverly	37,655	Melrose	30,055
Danvers	24,100	Middleton	4,135

Essex	2,998
Everett	37,195
Gloucester	27,768
Hamilton	6,960
Ipswich	11,158
Lynn	78,471
Lynnfield	11,267
Malden	53,386
Manchester	5,424
Marblehead	20,126
Medford	58,076
Nahant	3,947
North Reading	11,455
Peabody	45,976
Reading	22,678
Rockport	6,345
Salem	38,220
Saugus	24,746
Stoneham	21,424
Swampscott	13,837
Topsfield	5,709
Wakefield	24,895
Wenham	3,897
Subtotal HSA VI	631,903
State Total	5,737,037

APPENDIX V

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1983 Annual Report
Cancer Incidence in Massachusetts

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THE COMMONWEALTH OF MASSACHUSETTS
DEPARTMENT OF PUBLIC HEALTH

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1983 ANNUAL REPORT OF CANCER INCIDENCE IN MASSACHUSETTS

PREPARED BY THE

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TABLE OF CONTENTS

PAGE

Introduction 1

Data Quality 3

Interpretation of the Data 5

Massachusetts Cancer Registry Advisory Committee 7

1983 Summary of Cancer Incidence in Massachusetts. 8

Cancer Incidence in Cities and Towns 10

Cancer Incidence by Health Service Area. 40

Age-Specific Cancer Incidence in Massachusetts 41

Appendices

I. Massachusetts Cancer Registry Reporting Form. 42

II. Proportional Incidence Calculation Formula. 43

III. Massachusetts Cancer Registry Advisory Committee. 44

IV. 1980 Populations for Massachusetts Cities and Towns 46

V. Massachusetts Cancer Registry Staff and Acknowledgements. 50

Introduction

This is the second Annual Report of the Massachusetts Cancer Registry. Chapter 111, Sec. 111B of the Massachusetts General Laws, which established the Registry in July, 1980, authorized the Commissioner of Public Health to establish the first statewide cancer incidence registry and to specify what information was to be collected and reported. The Registry, which receives data from all hospitals and clinics on newly diagnosed malignant neoplasms, is used by the Department of Public Health to monitor patterns and trends of cancer incidence in communities across Massachusetts. It provides public information and statistical analyses of cancer incidence in Massachusetts cities and towns, and serves as a resource for epidemiologic investigations of cancer.

Twenty six thousand seven hundred fifty new cases of cancer were submitted to the Massachusetts Cancer Registry in 1983. After deleting duplicate cases and those which do not need to be reported, 23,698 new cases were identified. This is one percent fewer than the number in the 1982 Annual Report. However, this decrease may not be an actual decline since cases of Massachusetts residents diagnosed in Rhode Island are not included. Also, certain cases diagnosed at a very early stage were subsequently excluded as they were not required to be reported.

Data from the Cancer Registry has been used by physicians, hospitals, public and private agencies, health science researchers and students. It has also been used to track certain cancers that are called "sentinel"[1] types because they indicate that an environmental or occupational exposure has occurred. Two examples of this are mesothelioma and angiosarcoma of the liver, which are caused by asbestos and vinyl chloride exposure, respectively. Monitoring of such "sentinel" cancers is an important component of a statewide occupational disease surveillance system which the Division of Health Statistics and Research is currently developing.

---

[1]Rutstein DD, Mullan RJ, Frazier TM, et al: Sentinel Health Events (Occupational): A Basis for Physician Recognition and Public Health Surveillance. AJPH 73: 1054-1062, 1983

1983 Summary of Cancer Incidence in Massachusetts

The total number of cases of several of the cancer types summarized was approximately the same in 1983 compared to 1982. Some of the less common types, such as liver cancer and stomach cancer, changed but in different directions; there were more cases of liver cancer and fewer cases of stomach cancer reported in 1983. After a second year of data collection, it appears that mesothelioma is significantly elevated in Massachusetts. Over one hundred and ten cases were reported in 1982 and 1983, and this is probably two to four times the national rate of this rare cancer. It is particularly important because this highly fatal cancer is almost exclusively caused by asbestos exposure which could have been prevented. These data highlight the ongoing need to control asbestos exposure and, where possible, remove it safely from the human environment. Additional analyses of this and other "sentinel" cancers will be produced in separate reports, using the data collected in the Cancer Registry and the Registry of Vital Records and Statistics.

The number and percentage of reported cases in 1983 are summarized below in Table 1. Between 1982 and 1983, there appears to be an increase in cases of bronchus and lung cancer, especially in women, and a decline in cases of cervical cancer. Overall, the total number of cases is about 1% lower than reported in the 1982 Annual Report.

The largest decrease was in cases of cancer of the cervix. This decrease may not be an actual decline, however, since 137 cases during 1982 were erroneously reported. The highlights of this report are as follows:

- Lung cancer in 1983 increased 3% in males and 7% in females over the previous year.

- Mesothelioma in Massachusetts continued to occur at two to four times the national rates.

- Stomach cancer in 1983 declined 5% compared to the previous year.

Further breakdowns of the statewide totals by age groups and HSA are provided at the end of the following tables. The town-specific data which follow are presented in the same format as the 1982 Annual Report. It is not appropriate to combine the two years and divide the Proportional Incidence Ratio (PIR) values by two; however, two-year PIR values can be recalculated by referring to the formulas in Appendix II. Future analyses will employ rates and rate comparisons when sufficient years of data have accumulated in the Cancer Registry.

Table 1

CANCER INCIDENCE IN MASSACHUSETTS, 1983

SITE	MALE	FEMALE	TOTAL	(%)
Colon and Rectum	1,946	2,128	4,074	(17.2)
Bronchus and Lung	2,341	1,203	3,541	(14.9)
Breast	18	3,443	3,461	(14.6)
Prostate	2,058	--	2,058	(8.7)
Uterus, Ovary and Other Female Organs	--	1,357	1,357	(5.7)
Bladder	810	319	1,129	(4.8)
Hematopoietic and Reticulo-endothelial Systems*	403	357	760	(3.2)
Stomach	347	249	596	(2.5)
Pancreas	263	321	584	(2.5)
Kidney	326	249	575	(2.4)
Cervix	--	311	311	(1.3)
Liver	79	36	115	(0.5)
Other Sites**	2,951	2,186	5,137	(21.7)
Total	11,542	12,186	23,698	

* Includes leukemias, multiple myeloma, and other rare cancers of the blood-forming organs. About two-thirds of the cases in this category are leukemias.

**Includes lip, mouth, larynx, esophagus, small intestine, bone, soft tissues, testis, eye, brain, endocrine glands, lymph nodes and ill-defined and unknown sites.

Reporting System

One hundred and fifteen Massachusetts hospitals have reported cases to the Cancer Registry in its first two years of operation. Eighty of these hospitals have tumor registries which provide more detailed data to their medical staffs. Several large hospitals, as well as a regional registry based at Brockton Hospital, submitted data on computer tapes. This system has resulted in high quality statewide data and highly efficient automated reporting of about 30% of all cases. Automated reporting will increase in the third year as another large teaching hospital begins submitting data on computer tapes.

Interstate agreements were signed with surrounding states that have population-based cancer registries. As a result, Massachusetts will share 1983 cancer incidence data with New York, Connecticut and Maine. A 1982 agreement with the Rhode Island Health Department was not continued in 1983 because that agency ceased operating a statewide registry. In 1982, approximately 200 cases of cancer in Massachusetts residents diagnosed in Rhode Island hospitals were reported by the Rhode Island Health Department. Most of these were residents of Massachusetts towns bordering on Rhode Island, and some were duplicates of reports also submitted by Massachusetts hospitals. Nevertheless, there may be some undercounting of cases in residents of these towns in the 1983 data.

Cases of cancer diagnosed in private doctors' offices are not required to be reported, unless they are in patients also seen at a hospital or clinic and therefore reported by the Tumor Registrar or Medical Records Department. Health Maintenance Organizations (HMOs) with clinic licenses are required to report cases if the patients are not already reported in a hospital reporting system. Likewise, patients diagnosed under arrangements with the new Preferred Provider Organizations (PPOs), if seen in hospitals, are required to be reported by the hospital staffs.

The most common cancers, called squamous cell or basal cell skin cancers, are not required to be reported in this incidence reporting system. In-situ malignancies and most benign tumors are not reported as these types are often diagnosed only in private offices. Completeness of overall reporting is currently unknown, but an estimate can be made in future years by cross-checking cancer death certificates with previous cancer incidence files. The total number of cases reported in 1982 and 1983 agreed almost exactly with the estimates for Massachusetts previously published by the American Cancer Society. It is likely, therefore, that the number of cases reported will turn out to be at least 95% complete.

Data Quality

Several different methods of assuring data quality have been employed by the Cancer Registry, including training sessions held at hospitals and Department of Public Health offices throughout the Commonwealth, visual and computerized edit checks, and hospital site visits by tumor registrars reviewing randomly selected hospital records. Special training sessions also have been held to correct specific problems discovered once reports were submitted to the Registry.

Reports received from hospitals were reviewed several times for accuracy and consistency. Over 94% of the cases were confirmed by microscopic examination of a tissue specimen at the hospital, but visual and computerized edit checks were also conducted by the Cancer Registry staff and edit programs. Over two thousand patients were diagnosed at more than one hospital, so duplicate reports had to be identified and deleted from the statistical files.

There is considerable variability in the coding systems utilized by different hospitals for primary site, histology and stage of disease at diagnosis. For the purpose of producing this report, all primary site codes were converted to the International Classification of Diseases for Oncology (ICD-O) system. This system is used by most hospitals in Massachusetts, and computerized conversion was necessary on fewer than one-third of the cases. Histology and stage are not included in the data summarized in this report, however, because it was not possible to convert the various coding systems to a single, uniform system. In future years, as more hospitals adopt the ICD-O coding system and the American Joint Committee on Cancer's staging conventions, we anticipate that these data will be more consistent and uniform on a statewide basis.

Some of the other required data collected on the reporting form have not been included in this report. This is because some hospitals do not yet collect or record these data at the hospital level, and therefore cannot report them to the Department of Public Health Cancer Registry. For example, data on such variables as smoking status or occupation are not presented here because this information was incompletely reported in 1983. However, several hospitals have already taken steps to collect these types of information in their hospital records and have begun including them in their reports. Future annual reports of the Cancer Registry will contain additional information once it is uniformly available and its quality has been evaluated.

Data Utilization

In 1983, Cancer Registry data continued to be a resource for epidemiologic investigators both within and outside the Department of Public Health. For example, the continuing excess childhood leukemia in Woburn was documented using Cancer Registry data. Incidence of cancer in several other cities and towns has been under investigation by epidemiologists from the new Center for Health Promotion and Environmental Disease Prevention in the Department of Public Health and by local health departments and citizen groups working with academic researchers. Cancer Registry data have been useful in many of these efforts.

In special analyses done in conjunction with the Center, occupational and smoking status variables, although incomplete, have been utilized. For example, in several town studies, it has been possible to look at smoking status in evaluating an excess of a type of cancer that is associated with cigarette smoking. In other analyses of cancers where occupational exposures are of interest, it has been possible, even with limited data, to evaluate likely sources of exposure for groups of cases. And finally, analyses of regional variations in advanced stage at diagnosis for certain types of cancer have been possible using aggregated data from 1982 and 1983.

Interpretation of the Data

Individual communities are listed alphabetically in the tables in this report. Each community's cancer incidence statistics are presented for males, females and the total population by type of cancer. The second column from the left gives the total number of cancer cases diagnosed among residents of that community in 1983. Types of cancers are abbreviated with letters that run across the top of each page. The following are the abbreviations for the types of cancers summarized in this report:

ST - Stomach Cancer
CO - Cancer of the Colon and Rectum
RE
LI - Liver Cancer
PA - Pancreatic Cancer
LU - Cancer of the Bronchus and Lung
BR - Breast Cancer
CE - Cancer of the Uterine Cervix
UT - Cancer of the Uterus, Ovaries and Other Female Reproductive Organs
PR - Prostate Cancer
BL - Bladder Cancer
KI - Kidney Cancer
HE - Cancers of the Blood-Forming Organs such as Leukemia
RE and Multiple Myeloma
OT - All Other Sites

Statewide cancer incidence statistics are presented on page 9. Cancer incidence statistics by region, or Health Service Area (HSA), are presented page 40, and by age on page 41.

Next to the number of cases of each type of cancer diagnosed in 1983 in each community or health service region is another number known as the standardized Proportional Incidence Ratio (PIR). This describes in numerical terms how the community's experience in 1983 compared to the state as a whole. Further details about the method of computing the PIR are provided in Appendix II.

This statistical method is useful for screening the data and generating leads for further investigation. The following is what the PIRs mean:

*A PIR of 100 means that a community's incidence of a certain type of cancer as a proportion of all cancers is the same as the statewide average proportion for that cancer.

*A PIR of more than 100 indicates that a community's incidence of a certain type of cancer is higher than the statewide average proportion. for that cancer. A PIR of 105, for example, means that a community's cancer incidence is 5% higher than the statewide average proportion.

*A PIR of less than 100 means that a community's incidence of a certain type of cancer is less than the statewide average proportion for that cancer.

In some cases, there is a symbol next to the PIR number that indicates the level of statistical significance, or likelihood that the PIR value could have occurred by chance alone. The symbols (+) and (-) mean that there is a 5% probability that the variation from the statewide average was due to chance alone. The symbols (#) and (=) mean that there is only a 1% probability that the variation from the statewide average was due to chance alone. An asterisk (*) means that there were too few cases to determine their statistical significance.

It is important to remember that the data in this report represent a summary of all the cases of cancer diagnosed in one year. They cannot, by themselves, be used to identify trends. Some types of cancer that were elevated or lower than expected in a particular city or town in the 1982 Annual Report may not be so in this report, and conversely, some may be elevated or lower than expected in this report that were not in the previous year. These may simply be normal, year-to-year fluctuations due to the chance occurrence of disease. On the other hand, some types of cancer may be elevated or lower than expected two years in a row, and this may require more detailed investigation of possible explanations in a particular city or town. As more data are available in the Cancer Registry, it will be possible to isolate specific excesses or deficits of cancer incidence and to calculate trends in the incidence of cancer.

While the Proportional Incidence Ratio (PIR) is useful for an initial screening of Cancer Registry data, it has certain drawbacks which must be kept in mind when interpreting data for individual communities. Because of the nature of this statistic, if a more common type of cancer is elevated in a particular community, the other types of cancer may appear artificially low; conversely, if a relatively common cancer, such as colo-rectal, lung, female breast, prostate or uterine cancer is low in a particular community, then the other types may appear artificially high. This is because the proportion of all the different types of cancer summarized in a given community must always equal 100.

Finally, it is important to keep in mind that the PIR compares the proportion of cancer in a particular community to the proportion that would be expected based on the statewide incidence. This means that the only valid comparisons are between each individual community and the state as a whole, unless there are no differences in the age and sex distributions of the two communities being compared. The 1980 population for each city, town and Health Service Area (HSA) is provided in Appendix IV.

Cancer Registry Advisory Committee

In 1981, the Commissioner of Public Health appointed twelve persons to serve as an Advisory Committee to the Cancer Registry Director and to the Department. The members of this group and their affiliations are listed in Appendix III: they represent state agencies, hospitals, research institutions, the State Legislature, labor and the public. The Advisory Committee, all of whose members served through the second year of operations of the Cancer Registry, continues to play an important role in assuring a wide range of viewpoints in planning the direction and use of the data.

The Research Sub-committee of the Cancer Registry Advisory Committee is a standing committee which continued in the second year; it reviews applications for data for research projects and makes recommendations to the Commissioner for authorization of release of data to investigators. The Research Sub-committee recommended approval of projects in the second year of operations, none of which required personally-identified case information. This will be an important ongoing function of the Advisory Committee.

MASSACHUSETTS DEPARTMENT OF PUBLIC HEALTH CANCER REGISTRY
1983 CANCER INCIDENCE

CITY-TOWN	SEX	ALL SITES	ST	PIR	CO RE	PIR	LI	PIR	PA	PIR	LU	PIR	BR	PIR	CE	PIR	UT	PIR	PR	PIR	BL	PIR	KI	PIR	HE RE	PIR	OTHER SITES
ABINGTON	M	28	0	0*	3	64*	0	0*	0	0*	11	189	0	0*	0	0*	0	0*	3	64*	1	52*	0	0*	1	110*	9
	F	24	0	0*	6	139	0	0*	0	0*	3	139*	7	100	0	0*	4	148*	0	0*	0	0*	1	196*	0	0*	3
	T	52	0		9		0		0		14		7		0		4		3		1		1		1		12
ACTON	M	16	0	0*	1	37*	1	873*	1	265*	3	84*	0	0*	0	0*	0	0*	2	75*	1	89*	0	0*	1	197*	6
	F	28	0	0*	1	25*	0	0*	1	168*	2	78*	11	135	0	0*	3	93*	0	0*	3	494*	0	0*	1	109*	6
	T	44	0		2		1		2		5		11		0		3		2		4		0		2		12
ACUSHNET	M	18	1	195*	4	143*	0	0*	0	0*	5	147	0	0*	0	0*	0	0*	1	35*	2	172*	2	393*	1	119*	2
	F	12	0	0*	4	254*	0	0*	0	0*	1	79*	3	80*	1	208*	2	134*	0	0*	0	0*	0	0*	0	0*	1
	T	30	1		8		0		0		6		3		1		2		1		2		2		1		3
ADAMS	M	24	0	0*	4	92*	1	690*	1	173*	6	122	0	0*	0	0*	0	0*	2	40*	1	56*	1	154*	2	268*	6
	F	29	1	143*	6	102	0	0*	0	0*	3	102*	8	103	1	202*	4	133*	0	0*	1	112*	2	326*	1	113*	2
	T	53	1		10		1		1		9		8		1		4		2		2		3		3		8
AGAWAM	M	66	2	101*	10	92	0	0*	0	0*	11	83	0	0*	0	0*	0	0*	10	92	6	134	2	104*	4	166*	21
	F	42	0	0*	7	107	0	0*	0	0*	1	26*	14	119	1	77*	6	126	0	0*	0	0*	3	353*	1	65*	9
	T	108	2		17		0		0		12		14		1		6		10		6		5		5		30
ALFORD	M	0	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0
	F	0	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0
	T	0	0		0		0		0		0		0		0		0		0		0		0		0		0
AMESBURY	M	26	1	130*	1	24*	0	0*	0	0*	4	72*	0	0*	0	0*	0	0*	5	128	2	114*	0	0*	1	117*	12
	F	26	2	368*	3	65*	0	0*	1	147*	3	127*	5	71	2	322*	3	106*	0	0*	1	148*	0	0*	1	104*	5
	T	52	3		4		0		1		7		5		2		3		5		3		0		2		17
AMHERST	M	23	0	0*	4	110*	0	0*	1	200*	5	105	0	0*	0	0*	0	0*	7	213	1	67*	1	142*	1	130*	3
	F	26	0	0*	4	94*	0	0*	1	154*	4	150*	7	92	0	0*	5	166	0	0*	1	156*	0	0*	0	0*	4
	T	49	0		8		0		2		9		7		0		5		7		2		1		1		7
ANDOVER	M	40	1	81*	6	86	1	373*	1	106*	5	60	0	0*	0	0*	0	0*	8	108	2	69*	3	266*	4	315*	9
	F	58	1	100*	12	134	0	0*	2	145*	8	130	17	100	1	60*	9	131	0	0*	1	74*	0	0*	1	62*	6
	T	98	2		18		1		3		13		17		1		9		8		3		3		5		15
ARLINGTON	M	110	1	30*	19	102	0	0*	6	242	18	83	2	999*	0	0*	0	0*	28	138	5	64	3	100*	4	94*	24
	F	104	0	0*	20	99	0	0*	2	67*	3	32*	34	118	5	202	13	119	0	0*	3	101*	1	46*	3	96*	20
	T	214	1		39		0		8		21		36		5		13		28		8		4		7		44
ASHBURNHAM	M	6	0	0*	1	116*	0	0*	0	0*	1	89*	0	0*	0	0*	0	0*	1	113*	0	0*	0	0*	0	0*	3
	F	7	0	0*	1	100*	0	0*	0	0*	1	169*	2	113*	1	540*	0	0*	0	0*	0	0*	0	0*	1	249*	1
	T	13	0		2		0		0		2		2		1		0		1		0		0		1		4
ASHBY	M	3	0	0*	0	0*	0	0*	0	0*	1	211*	0	0*	0	0*	0	0*	2	237*	0	0*	0	0*	0	0*	0
	F	3	0	0*	1	203*	0	0*	0	0*	1	307*	1	110*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0
	T	6	0		1		0		0		2		1		0		0		2		0		0		0		0

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MASSACHUSETTS DEPARTMENT OF PUBLIC HEALTH CANCER REGISTRY
1983 CANCER INCIDENCE

CITY-TOWN	SEX	ALL SITES	ST	PIR	CO RE	PIR	LI	PIR	PA	PIR	LU	PIR	BR	PIR	CE	PIR	UT	PIR	PR	PIR	BL	PIR	KI	PIR	HE RE	PIR	OTHER SITES
ASHFIELD	M	1	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	1
	F	5	0	0*	0	0*	0	0*	0	0*	1	177*	0	0*	0	0*	1	161*	0	0*	0	0*	0	0*	0	0*	3
	T	6	0		0		0		0		1		0		0		1		0		0		0		0		4
ASHLAND	M	13	1	261*	4	195*	0	0*	0	0*	2	77*	0	0*	0	0*	0	0*	1	52*	0	0*	2	510*	0	0*	3
	F	19	0	0*	2	61*	0	0*	0	0*	2	112*	8	147	1	176*	1	48*	0	0*	1	202*	1	270*	0	0*	3
	T	32	1		6		0		0		4		8		1		1		1		1		3		0		6
ATHOL	M	30	0	0*	2	39*	0	0*	0	0*	7	116	0	0*	0	0*	0	0*	7	120	0	0*	0	0*	4	419*	10
	F	30	2	290*	5	87	0	0*	0	0*	7	243+	4	48*	0	0*	2	62*	0	0*	2	236*	0	0*	1	115*	7
	T	60	2		7		0		0		14		4		0		2		7		2		0		5		17
ATTLEBORO	M	54	4	235*	10	106	0	0*	0	0*	13	120	0	0*	0	0*	0	0*	11	108	2	50*	1	66*	0	0*	13
	F	63	0	0*	13	130	0	0*	2	134*	6	95	15	82	2	103*	6	82	0	0*	0	0*	1	80*	4	219*	14
	T	117	4		23		0		2		19		15		2		6		11		2		2		4		27
AUBURN	M	43	4	314*	8	111	0	0*	1	101*	8	89	0	0*	0	0*	0	0*	12	162	1	34*	0	0*	1	72*	8
	F	29	2	344*	5	100	0	0*	1	132*	0	0*	10	117	1	143*	2	59*	0	0*	2	277*	1	162*	0	0*	5
	T	72	6		13		0		2		8		10		1		2		12		3		1		1		13
AVON	M	6	0	0*	3	281*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	2	177*	0	0*	0	0*	1	531*	0
	F	14	0	0*	1	39*	0	0*	0	0*	2	140*	4	103*	0	0*	0	0*	0	0*	1	251*	0	0*	1	251*	5
	T	20	0		4		0		0		2		4		0		0		2		1		0		2		5
AYER	M	7	0	0*	2	173*	0	0*	0	0*	2	148*	0	0*	0	0*	0	0*	0	0*	1	210*	0	0*	0	0*	2
	F	16	2	800*	1	44*	0	0*	0	0*	1	66*	2	44*	0	0*	2	107*	0	0*	1	298*	0	0*	2	330*	5
	T	23	2		3		0		0		3		2		0		2		0		2		0		2		7
BARNSTABLE	M	110	3	85*	28	142	0	0*	1	39*	14	65	0	0*	0	0*	0	0*	31	138	4	49*	2	66*	6	162	21
	F	104	0	0*	21	106	0	0*	4	136*	9	93	34	119	1	43*	7	63	0	0*	3	103*	1	45*	6	183	18
	T	214	3		49		0		5		23		34		1		7		31		7		3		12		39
BARRE	M	3	1	999*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	1	531*	0	0*	0	0*	1
	F	11	0	0*	1	54*	0	0*	0	0*	0	0*	4	127*	0	0*	2	165*	0	0*	0	0*	0	0*	0	0*	4
	T	14	1		1		0		0		0		4		0		2		0		1		0		0		5
BECKET	M	5	0	0*	3	343*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	2	585*	0	0*	0	0*	0
	F	3	0	0*	0	0*	0	0*	0	0*	0	0*	1	110*	0	0*	0	0*	0	0*	0	0*	0	0*	1	999*	1
	T	8	0		3		0		0		0		1		0		0		0		2		0		1		1
BEDFORD	M	19	1	188*	4	139*	0	0*	0	0*	3	76*	0	0*	0	0*	0	0*	2	81*	1	82*	0	0*	0	0*	8
	F	30	1	168*	6	121	0	0*	1	133*	0	0*	7	82	0	0*	4	119*	0	0*	1	136*	0	0*	1	99*	9
	T	49	2		10		0		1		3		7		0		4		2		2		0		1		17
BELCHERTOWN	M	16	0	0*	1	41*	1	752*	0	0*	3	105*	0	0*	0	0*	0	0*	5	207	1	96*	0	0*	1	180*	4
	F	16	0	0*	2	73*	0	0*	0	0*	3	167*	7	150	0	0*	2	106*	0	0*	0	0*	0	0*	0	0*	2
	T	32	0		3		1		0		6		7		0		2		5		1		0		1		6

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MASSACHUSETTS DEPARTMENT OF PUBLIC HEALTH CANCER REGISTRY
1983 CANCER INCIDENCE

CITY-TOWN	SEX	ALL SITES	ST	PIR	CO RE	PIR	LI	PIR	PA	PIR	LU	PIR	BR	PIR	CE	PIR	UT	PIR	PR	PIR	BL	PIR	KI	PIR	HE RE	PIR	OTHER SITES
BELLINGHAM	M	14	0	0*	4	168*	0	0*	1	308*	0	0*	1	999*	0	0*	0	0*	0	0*	3	299*	0	0*	0	0*	5
	F	9	0	0*	4	426*	0	0*	0	0*	3	313*	1	34*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	1
	T	23	0		8		0		1		3		2		0		0		0		3		0		0		6
BELMONT	M	54	1	61*	6	63	0	0*	1	78*	7	64	0	0*	0	0*	0	0*	20	185#	4	100*	5	345+	1	59*	9
	F	72	0	0*	17	131	0	0*	3	154*	3	43*	23	116	1	55*	4	51*	0	0*	1	51*	2	138*	3	133*	15
	T	126	1		23		0		4		10		23		1		4		20		5		7		4		24
BERKLEY	M	3	0	0*	1	181*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	2	290*	0	0*	0	0*	0	0*	0
	F	3	0	0*	0	0*	0	0*	0	0*	1	623*	1	108*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	1
	T	6	0		1		0		0		1		1		0		0		2		0		0		0		1
BERLIN	M	1	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	1	323*	0	0*	0	0*	0	0*	0
	F	3	0	0*	1	178*	0	0*	0	0*	0	0*	0	0*	0	0*	1	301*	0	0*	0	0*	1	999*	0	0*	0
	T	4	0		1		0		0		0		0		0		1		1		0		1		0		0
BERNARDSTON	M	1	0	0*	1	999*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0
	F	2	0	0*	0	0*	0	0*	0	0*	1	634*	0	0*	0	0*	1	467*	0	0*	0	0*	0	0*	0	0*	0
	T	3	0		1		0		0		1		0		0		1		0		0		0		0		0
BEVERLY	M	82	1	40*	9	63	0	0*	1	53*	19	119	1	800*	0	0*	0	0*	17	106	8	133	7	315#	3	114*	16
	F	90	2	118*	13	86	0	0*	2	89*	12	133	26	100	1	37*	8	78	0	0*	3	131*	2	115*	0	0*	21
	T	172	3		22		0		3		31		27		1		8		17		11		9		3		37
BILLERICA	M	40	2	173*	7	110	0	0*	2	226*	6	72	0	0*	0	0*	0	0*	2	33*	7	264+	1	85*	1	64*	12
	F	45	0	0*	6	88	0	0*	1	96*	0	0*	18	136	0	0*	6	112	0	0*	2	196*	1	111*	3	229*	8
	T	85	2		13		0		3		6		18		0		6		2		9		2		4		20
BLACKSTONE	M	1	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	1
	F	7	0	0*	1	84*	0	0*	0	0*	0	0*	3	181*	1	639*	1	146*	0	0*	0	0*	0	0*	0	0*	1
	T	8	0		1		0		0		0		3		1		1		0		0		0		0		2
BLANDFORD	M	2	0	0*	0	0*	0	0*	0	0*	1	215*	0	0*	0	0*	0	0*	1	326*	0	0*	0	0*	0	0*	0
	F	2	1	999*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	1
	T	4	1		0		0		0		1		0		0		0		1		0		0		0		1
BOLTON	M	1	0	0*	0	0*	0	0*	0	0*	1	462*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0
	F	4	0	0*	0	0*	0	0*	0	0*	0	0*	1	81*	0	0*	2	395*	0	0*	0	0*	0	0*	0	0*	1
	T	5	0		0		0		0		1		1		0		2		0		0		0		0		1
BOSTON	M	1104	30	90	183	99	13	166	29	116	233	104	2	113*	0	0*	0	0*	173	90	69	89	24	76	36	96	312
	F	1184	37	149+	210	100	6	170	34	108	123	107	288	86-	42	139+	117	89	0	0*	36	114	22	91	32	91	237
	T	2288	67		393		19		63		356		290		42		117		173		105		46		68		549
BOURNE	M	51	1	62*	13	138	0	0*	0	0*	8	80	0	0*	0	0*	0	0*	11	96	4	101*	0	0*	2	127*	12
	F	46	1	91*	13	142	0	0*	1	74*	3	70*	16	132	0	0*	4	84*	0	0*	0	0*	0	0*	1	61*	7
	T	97	2		26		0		1		11		16		0		4		11		4		0		3		19

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BOXBOROUGH	M	4	0	0*	0	0*	0	0*	0	0*	1	129*	0	0*	0	0*	0	0*	1	192*	0	0*	0	0*	0	0*	2
	F	4	0	0*	0	0*	1	999*	0	0*	1	314*	1	77*	0	0*	1	206*	0	0*	0	0*	0	0*	0	0*	0
	T	8	0		0		1		0		2		1		0		1		1		0		0		0		2
BOXFORD	M	4	0	0*	0	0*	0	0*	0	0*	1	108*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	1	769*	2
	F	7	0	0*	0	0*	0	0*	1	570*	2	229*	2	98*	0	0*	2	235*	0	0*	0	0*	0	0*	0	0*	0
	T	11	0		0		0		1		3		2		0		2		0		0		0		1		2
BOYLSTON	M	3	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	1	480*	0	0*	0	0*	2
	F	6	0	0*	0	0*	0	0*	0	0*	1	155*	2	115*	0	0*	0	0*	0	0*	0	0*	0	0*	1	652*	2
	T	9	0		0		0		0		1		2		0		0		0		1		0		1		4
BRAINTREE	M	84	3	115*	14	98	0	0*	0	0*	19	110	0	0*	0	0*	0	0*	13	88	4	67*	6	249+	4	136*	21
	F	86	1	53*	17	108	0	0*	2	85*	10	120	24	100	2	101*	7	74	0	0*	3	128*	4	221*	1	38*	15
	T	170	4		31		0		2		29		24		2		7		13		7		10		5		36
BREWSTER	M	13	0	0*	3	120*	0	0*	0	0*	3	127*	0	0*	0	0*	0	0*	3	94*	2	188*	0	0*	0	0*	2
	F	21	0	0*	3	74*	0	0*	1	169*	1	54*	8	138	0	0*	3	136*	0	0*	1	168*	0	0*	1	157*	3
	T	34	0		6		0		1		4		8		0		3		3		3		0		1		5
BR'DGEWATER	M	25	1	137*	7	171	0	0*	0	0*	6	121	0	0*	0	0*	0	0*	4	95*	1	58*	2	282*	1	121*	3
	F	18	0	0*	3	88*	0	0*	0	0*	1	59*	6	119	1	248*	3	154*	0	0*	1	198*	1	262*	0	0*	2
	T	43	1		10		0		0		7		6		1		3		4		2		3		1		5
BRIMFIELD	M	3	0	0*	1	191*	0	0*	0	0*	2	309*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0
	F	1	0	0*	1	823*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0
	T	4	0		2		0		0		2		0		0		0		0		0		0		0		0
BROCKTON	M	206	6	97	34	98	2	143*	5	106	42	99	0	0*	0	0*	0	0*	45	123	11	76	8	137	6	84	47
	F	180	5	140	33	108	0	0*	3	66*	25	148	45	89	4	77*	22	111	0	0*	2	43*	5	139	9	161	27
	T	386	11		67		2		8		67		45		4		22		45		13		13		15		74
BROOKFIELD	M	1	0	0*	0	0*	0	0*	0	0*	1	462*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0
	F	6	0	0*	0	0*	0	0*	0	0*	2	345*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	3	798*	1
	T	7	0		0		0		0		3		0		0		0		0		0		0		3		1
BROOKLINE	M	109	1	30*	28	147	0	0*	4	161*	17	83	0	0*	0	0*	0	0*	16	72	7	86	6	211	6	161	24
	F	159	4	108*	26	85	0	0*	7	154	11	76	47	108	3	82*	13	78	0	0*	5	109	4	121*	4	80*	35
	T	268	5		54		0		11		28		47		3		13		16		12		10		10		59
BUCKLAND	M	0	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0
	F	0	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0
	T	0	0		0		0		0		0		0		0		0		0		0		0		0		0
BURLINGTON	M	37	1	100*	11	209+	0	0*	2	271*	3	40*	0	0*	0	0*	0	0*	3	74*	3	136*	0	0*	0	0*	14
	F	40	2	268*	5	77	0	0*	0	0*	5	122	14	118	2	169*	4	86*	0	0*	0	0*	0	0*	0	0*	8
	T	77	3		16		0		2		8		14		2		4		3		3		0		0		22

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MASSACHUSETTS DEPARTMENT OF PUBLIC HEALTH CANCER REGISTRY
1983 CANCER INCIDENCE

CITY-TOWN	SEX	ALL SITES	ST	PIR	CO RE	PIR	LI	PIR	PA	PIR	LU	PIR	BR	PIR	CE	PIR	UT	PIR	PR	PIR	BL	PIR	KI	PIR	HE RE	PIR	OTHER SITES
CAMBRIDGE	M	172	5	100	22	80	1	77*	5	134	31	91	1	394*	0	0*	0	0*	31	113	13	114	1	20*	4	64*	58
	F	158	1	31*	27	98	0	0*	8	194	12	78	50	111	9	209+	15	85	0	0*	6	145	2	63*	3	66*	25
	T	330	6		49		1		13		43		51		9		15		31		19		3		7		83
CANTON	M	35	0	0*	4	66*	1	431*	0	0*	8	115	0	0*	0	0*	0	0*	8	119	2	78*	2	210*	2	178*	8
	F	25	0	0*	5	114	0	0*	1	150*	8	293#	2	28*	0	0*	3	103*	0	0*	0	0*	0	0*	0	0*	6
	T	60	0		9		1		1		16		2		0		3		8		2		2		2		14
CARLISLE	M	4	0	0*	0	0*	0	0*	0	0*	1	149*	0	0*	0	0*	0	0*	2	266*	0	0*	0	0*	0	0*	1
	F	8	0	0*	0	0*	0	0*	0	0*	1	119*	4	154*	0	0*	0	0*	0	0*	0	0*	0	0*	1	648*	2
	T	12	0		0		0		0		2		4		0		0		2		0		0		1		3
CARVER	M	14	0	0*	2	81*	0	0*	2	574*	6	199	0	0*	0	0*	0	0*	2	72*	0	0*	0	0*	0	0*	2
	F	17	0	0*	3	109*	0	0*	0	0*	4	231*	5	101	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	5
	T	31	0		5		0		2		10		5		0		0		2		0		0		0		7
CHARLEMONT	M	3	0	0*	0	0*	0	0*	0	0*	1	147*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	1	999*	1
	F	2	0	0*	1	227*	0	0*	0	0*	0	0*	0	0*	0	0*	1	522*	0	0*	0	0*	0	0*	0	0*	0
	T	5	0		1		0		0		1		0		0		1		0		0		0		1		1
CHARLTON	M	14	1	241*	2	89*	0	0*	0	0*	1	39*	0	0*	0	0*	0	0*	2	84*	1	106*	1	262*	1	143*	5
	F	8	0	0*	1	79*	0	0*	0	0*	0	0*	3	124*	0	0*	2	210*	0	0*	0	0*	0	0*	0	0*	2
	T	22	1		3		0		0		1		3		0		2		2		1		1		1		7
CHATHAM	M	24	0	0*	5	114	0	0*	0	0*	7	145	0	0*	0	0*	0	0*	7	135	2	110*	0	0*	1	135*	2
	F	23	0	0*	3	70*	0	0*	2	306*	2	82*	8	126	0	0*	3	120*	0	0*	0	0*	0	0*	1	154*	4
	T	47	0		8		0		2		9		8		0		3		7		2		0		2		6
CHELMSFORD	M	46	1	76*	9	121	0	0*	0	0*	8	90	0	0*	0	0*	0	0*	7	88	8	259+	1	79*	0	0*	12
	F	64	0	0*	9	82	1	514*	3	182*	5	81	21	116	3	170*	11	155	0	0*	1	60*	1	78*	1	51*	8
	T	110	1		18		1		3		13		21		3		11		7		9		2		1		20
CHELSEA	M	71	5	224	10	81	2	393*	2	122*	11	75	0	0*	0	0*	0	0*	15	117	2	39*	0	0*	1	44*	23
	F	44	0	0*	3	38*	0	0*	0	0*	3	65*	15	124	0	0*	8	164	0	0*	0	0*	0	0*	0	0*	15
	T	115	5		13		2		2		14		15		0		8		15		2		0		1		38
CHESHIRE	M	5	1	616*	0	0*	0	0*	0	0*	1	99*	0	0*	0	0*	0	0*	2	204*	0	0*	0	0*	0	0*	1
	F	5	0	0*	0	0*	0	0*	0	0*	2	350*	2	124*	0	0*	0	0*	0	0*	0	0*	0	0*	1	999*	0
	T	10	1		0		0		0		3		2		0		0		2		0		0		1		1
CHESTER	M	3	2	999*	0	0*	0	0*	0	0*	1	155*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0
	F	5	0	0*	2	329*	0	0*	0	0*	0	0*	2	120*	0	0*	1	142*	0	0*	0	0*	0	0*	0	0*	0
	T	8	2		2		0		0		1		2		0		1		0		0		0		0		0
CHESTERFIELD	M	2	0	0*	0	0*	0	0*	0	0*	1	252*	0	0*	0	0*	0	0*	0	0*	1	647*	0	0*	0	0*	0
	F	2	0	0*	0	0*	0	0*	0	0*	1	504*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	1
	T	4	0		0		0		0		2		0		0		0		0		1		0		0		1

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CHICOPEE	M	127	2	52*	24	111	0	0*	3	100*	23	85	0	0*	0	0*	0	0*	30	135	9	102	4	108*	6	141	26
	F	120	4	169*	24	116	0	0*	5	158	9	71	38	112	7	238+	13	95	0	0*	4	127*	1	41*	5	147	10
	T	247	6		48		0		8		32		38		7		13		30		13		5		11		36
CHILMARK	M	0	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0
	F	1	0	0*	0	0*	0	0*	0	0*	0	0*	1	301*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0
	T	1	0		0		0		0		0		1		0		0		0		0		0		0		0
CLARKSBURG	M	2	0	0*	0	0*	0	0*	0	0*	1	276*	0	0*	0	0*	0	0*	1	247*	0	0*	0	0*	0	0*	0
	F	6	0	0*	1	129*	0	0*	0	0*	0	0*	0	0*	0	0*	1	138*	0	0*	0	0*	2	999*	1	754*	1
	T	8	0		1		0		0		1		0		0		1		1		0		2		1		1
CLINTON	M	25	0	0*	6	141	0	0*	0	0*	5	95	0	0*	0	0*	0	0*	6	136	1	56*	1	141*	0	0*	6
	F	30	1	160*	3	55*	0	0*	2	251*	5	175	10	123	1	145*	1	31*	0	0*	0	0*	1	157*	0	0*	6
	T	55	1		9		0		2		10		10		1		1		6		1		2		0		12
COHASSET	M	8	0	0*	2	140*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	3	203*	1	165*	0	0*	0	0*	2
	F	19	0	0*	3	86*	0	0*	0	0*	4	223*	5	94	0	0*	3	146*	0	0*	1	191*	0	0*	0	0*	3
	T	27	0		5		0		0		4		5		0		3		3		2		0		0		5
COLRAIN	M	2	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	2	474*	0	0*	0	0*	0	0*	0
	F	1	0	0*	0	0*	0	0*	0	0*	0	0*	1	413*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0
	T	3	0		0		0		0		0		1		0		0		2		0		0		0		0
CONCORD	M	37	0	0*	6	98	0	0*	2	229*	4	48*	0	0*	0	0*	0	0*	5	85	5	198	2	180*	2	169*	11
	F	33	0	0*	2	40*	0	0*	0	0*	3	92*	9	90	0	0*	7	179	0	0*	0	0*	2	315*	0	0*	10
	T	70	0		8		0		2		7		9		0		7		5		5		4		2		21
CONWAY	M	1	0	0*	0	0*	0	0*	0	0*	1	554*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0
	F	1	0	0*	0	0*	0	0*	0	0*	0	0*	1	301*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0
	T	2	0		0		0		0		1		1		0		0		0		0		0		0		0
CUMMINGTON	M	2	0	0*	1	290*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	1	671*	0	0*	0	0*	0
	F	3	0	0*	0	0*	0	0*	0	0*	0	0*	2	271*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	1
	T	5	0		1		0		0		0		2		0		0		0		1		0		0		1
DALTON	M	16	0	0*	3	110*	0	0*	1	271*	2	61*	0	0*	0	0*	0	0*	5	175	1	89*	0	0*	1	195*	3
	F	19	0	0*	2	63*	0	0*	0	0*	0	0*	9	172	0	0*	3	139*	0	0*	1	216*	0	0*	0	0*	4
	T	35	0		5		0		1		2		9		0		3		5		2		0		1		7
DANVERS	M	42	1	79*	8	112	0	0*	1	104*	5	58	0	0*	0	0*	0	0*	5	66	3	102*	1	84*	0	0*	18
	F	49	1	111*	6	75	0	0*	1	83*	7	141	13	92	1	74*	6	106	0	0*	1	84*	1	100*	1	68*	11
	T	91	2		14		0		2		12		13		1		6		5		4		2		1		29
DARTMOUTH	M	47	1	70*	8	100	1	331*	2	181*	5	50	0	0*	0	0*	0	0*	8	95	5	151	1	75*	1	58*	15
	F	36	1	136*	5	78	0	0*	1	102*	2	51*	7	68	2	264*	6	144	0	0*	1	105*	2	261*	2	213*	7
	T	83	2		13		1		3		7		7		2		6		8		6		3		3		22

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DEDHAM	M	72	1	46*	9	74	0	0*	0	0*	17	109	0	0*	0	0*	0	0*	16	128	6	120	1	47*	3	131*	19
	F	45	1	112*	6	78	0	0*	1	85*	5	110	10	79	2	183*	8	157	0	0*	3	261*	0	0*	2	143*	7
	T	117	2		15		0		1		22		10		2		8		16		9		1		5		26
DEERFIELD	M	10	1	337*	0	0*	0	0*	0	0*	1	44*	0	0*	0	0*	0	0*	2	126*	1	141*	2	688*	0	0*	3
	F	10	0	0*	2	138*	0	0*	0	0*	0	0*	0	0*	0	0*	3	262*	0	0*	0	0*	0	0*	0	0*	5
	T	20	1		2		0		0		1		0		0		3		2		1		2		0		8
DENNIS	M	53	4	250*	10	109	0	0*	0	0*	10	88	1	999*	0	0*	0	0*	14	142	4	105*	0	0*	1	60*	9
	F	59	0	0*	12	115	0	0*	1	62*	6	96	22	130	3	226*	5	74	0	0*	2	127*	0	0*	0	0*	8
	T	112	4		22		0		1		16		23		3		5		14		6		0		1		17
DIGHTON	M	7	0	0*	3	241*	0	0*	0	0*	1	66*	0	0*	0	0*	0	0*	2	141*	0	0*	0	0*	0	0*	1
	F	8	0	0*	3	194*	0	0*	1	436*	1	118*	0	0*	0	0*	1	115*	0	0*	0	0*	1	594*	1	430*	0
	T	15	0		6		0		1		2		0		0		1		2		0		1		1		1
DOUGLAS	M	14	0	0*	3	133*	0	0*	0	0*	4	130*	0	0*	0	0*	0	0*	2	97*	0	0*	0	0*	2	436*	3
	F	7	0	0*	1	143*	0	0*	0	0*	0	0*	1	43*	1	265*	1	110*	0	0*	0	0*	1	922*	0	0*	2
	T	21	0		4		0		0		4		1		1		1		2		0		1		2		5
DOVER	M	7	0	0*	0	0*	1	999*	0	0*	1	68*	0	0*	0	0*	0	0*	3	233*	0	0*	0	0*	1	450*	1
	F	13	2	999*	1	57*	0	0*	0	0*	1	85*	5	137	1	215*	1	67*	0	0*	1	378*	0	0*	0	0*	1
	T	20	2		1		1		0		2		5		1		1		3		1		0		1		2
DRACUT	M	37	1	92*	7	121	0	0*	0	0*	14	180+	0	0*	0	0*	0	0*	4	78*	0	0*	2	177*	2	136*	7
	F	25	1	239*	2	53*	0	0*	0	0*	1	36*	9	118	1	138*	5	162	0	0*	0	0*	0	0*	1	175*	5
	T	62	2		9		0		0		15		9		1		5		4		0		2		3		12
DUDLEY	M	16	1	213*	4	154*	0	0*	0	0*	3	86*	0	0*	0	0*	0	0*	3	124*	2	186*	0	0*	0	0*	3
	F	15	0	0*	2	88*	0	0*	0	0*	1	63*	6	135	0	0*	2	114*	0	0*	0	0*	0	0*	0	0*	4
	T	31	1		6		0		0		4		6		0		2		3		2		0		0		7
DUNSTABLE	M	1	0	0*	1	655*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0
	F	2	0	0*	0	0*	0	0*	0	0*	0	0*	1	147*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	1
	T	3	0		1		0		0		0		1		0		0		0		0		0		0		1
DUXBURY	M	20	0	0*	2	59*	0	0*	0	0*	4	105*	0	0*	0	0*	0	0*	5	135	2	138*	2	371*	2	305*	3
	F	15	2	623*	2	74*	0	0*	0	0*	2	133*	4	94*	0	0*	1	60*	0	0*	0	0*	1	324*	0	0*	3
	T	35	2		4		0		0		6		4		0		1		5		2		3		2		6
EAST BRIDGEWATER	M	18	0	0*	5	180	0	0*	0	0*	4	114*	0	0*	0	0*	0	0*	1	35*	1	89*	1	191*	0	0*	6
	F	17	0	0*	3	96*	0	0*	0	0*	3	192*	5	105	0	0*	0	0*	0	0*	1	219*	0	0*	0	0*	5
	T	35	0		8		0		0		7		5		0		0		1		2		1		0		11
EAST BROOKFIELD	M	5	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	2	674*	0	0*	0	0*	3
	F	4	1	976*	1	123*	0	0*	0	0*	1	256*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	1
	T	9	1		1		0		0		1		0		0		0		0		2		0		0		4

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CITY-TOWN	SEX	ALL SITES	ST	PIR	CO RE	PIR	LI	PIR	PA	PIR	LU	PIR	BR	PIR	CE	PIR	UT	PIR	PR	PIR	BL	PIR	KI	PIR	HE RE	PIR	OTHER SITES
EAST LONGMEADOW	M	18	1	193*	3	106*	0	0*	0	0*	3	76*	0	0*	0	0*	0	0*	3	118*	3	258*	3	558*	0	0*	2
	F	28	0	0*	3	56*	0	0*	0	0*	1	39*	13	165	0	0*	2	66*	0	0*	0	0*	1	169*	1	121*	7
	T	46	1		6		0		0		4		13		0		2		3		3		4		1		9
EASTHAM	M	13	0	0*	1	46*	0	0*	0	0*	3	113*	0	0*	0	0*	0	0*	4	180*	2	219*	1	270*	0	0*	2
	F	12	1	309*	2	78*	0	0*	1	265*	2	206*	1	32*	1	409*	1	86*	0	0*	1	260*	1	397*	0	0*	1
	T	25	1		3		0		1		5		1		1		1		4		3		2		0		3
EASTHAMPTON	M	34	0	0*	3	55*	0	0*	1	132*	12	175	0	0*	0	0*	0	0*	5	87	2	87*	0	0*	1	63*	10
	F	35	0	0*	5	79	0	0*	1	105*	4	112*	8	81	4	488*	7	180	0	0*	2	210*	1	139*	1	104*	2
	T	69	0		8		0		2		16		8		4		7		5		4		1		2		12
EASTON	M	19	0	0*	3	95*	0	0*	0	0*	5	139	0	0*	0	0*	0	0*	2	58*	1	76*	0	0*	0	0*	8
	F	30	0	0*	5	90	0	0*	0	0*	4	143*	9	107	1	133*	2	62*	0	0*	0	0*	1	163*	2	232*	6
	T	49	0		8		0		0		9		9		1		2		2		1		1		2		14
EDGARTOWN	M	3	1	999*	0	0*	0	0*	0	0*	2	326*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0
	F	2	0	0*	0	0*	0	0*	0	0*	1	400*	0	0*	0	0*	1	403*	0	0*	0	0*	0	0*	0	0*	0
	T	5	1		0		0		0		3		0		0		1		0		0		0		0		0
EGREMONT	M	0	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0
	F	2	0	0*	1	298*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	1	999*	0	0*	0
	T	2	0		1		0		0		0		0		0		0		0		0		1		0		0
ERVING	M	3	0	0*	0	0*	0	0*	1	999*	0	0*	0	0*	0	0*	0	0*	0	0*	1	507*	1	999*	0	0*	0
	F	1	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	1
	T	4	0		0		0		1		0		0		0		0		0		1		1		0		1
ESSEX	M	6	1	570*	1	102*	0	0*	0	0*	2	170*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	2
	F	3	0	0*	1	158*	0	0*	0	0*	0	0*	2	260*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0
	T	9	1		2		0		0		2		2		0		0		0		0		0		0		2
EVERETT	M	68	4	193*	10	86	1	208*	4	255*	19	134	0	0*	0	0*	0	0*	9	75	3	62*	1	51*	1	46*	16
	F	70	0	0*	10	80	0	0*	2	107*	11	158	19	97	4	237*	6	77	0	0*	4	214*	4	276*	1	46*	9
	T	138	4		20		1		6		30		19		4		6		9		7		5		2		25
FAIRHAVEN	M	40	0	0*	6	89	0	0*	1	109*	11	135	0	0*	0	0*	0	0*	6	83	1	35*	2	179*	1	66*	12
	F	34	1	148*	8	134	0	0*	0	0*	3	83*	8	83	2	242*	3	78*	0	0*	2	222*	0	0*	1	110*	6
	T	74	1		14		0		1		14		8		2		3		6		3		2		2		18
FALL RIVER	M	208	11	171	35	96	2	147*	4	83*	55	131	0	0*	0	0*	0	0*	30	74	12	79	4	70*	9	132	46
	F	201	7	152	35	91	0	0*	6	104	13	67	55	99	7	156	22	103	0	0*	1	17*	4	96*	6	102	45
	T	409	18		70		2		10		68		55		7		22		30		13		8		15		91
FALMOUTH	M	81	2	79*	19	131	0	0*	1	52*	8	50	0	0*	0	0*	0	0*	14	84	5	82	2	92*	5	196	25
	F	72	0	0*	13	94	0	0*	0	0*	9	142	24	121	0	0*	6	78	0	0*	3	151*	2	128*	2	84*	13
	T	153	2		32		0		1		17		24		0		6		14		8		4		7		38

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MASSACHUSETTS DEPARTMENT OF PUBLIC HEALTH CANCER REGISTRY
1983 CANCER INCIDENCE

CITY-TOWN	SEX	ALL SITES	ST	PIR	CO RE	PIR	LI	PIR	PA	PIR	LU	PIR	BR	PIR	CE	PIR	UT	PIR	PR	PIR	BL	PIR	KI	PIR	HE RE	PIR	OTHER SITES
FITCHBURG	M	89	1	38*	16	107	2	345*	1	47*	23	120	0	0*	0	0*	0	0*	9	58	4	65*	5	195	2	65*	26
	F	78	0	0*	6	43-	0	0*	1	47*	4	52*	26	117	1	51*	8	92	0	0*	5	240	1	62*	3	140*	23
	T	167	1		22		2		2		27		26		1		8		9		9		6		5		49
FLORIDA	M	0	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0
	F	0	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0
	T	0	0		0		0		0		0		0		0		0		0		0		0		0		0
FOXBOROUGH	M	22	0	0*	2	53*	0	0*	0	0*	3	71*	0	0*	0	0*	0	0*	7	168	0	0*	1	163*	0	0*	9
	F	23	0	0*	4	118*	0	0*	0	0*	1	38*	12	170	0	0*	2	70*	0	0*	0	0*	1	217*	0	0*	3
	T	45	0		6		0		0		4		12		0		2		7		0		2		0		12
FRAMINGHAM	M	100	0	0*	12	71	2	279*	1	43*	26	123	0	0*	0	0*	0	0*	19	112	6	86	4	138*	2	62*	28
	F	129	2	85*	14	67	1	250*	4	128*	11	88	44	121	1	27*	14	96	0	0*	4	128*	2	77*	8	189	24
	T	229	2		26		3		5		37		44		1		14		19		10		6		10		52
FRANKLIN	M	34	1	104*	2	38*	0	0*	0	0*	6	89	0	0*	0	0*	0	0*	5	97	3	138*	2	196*	0	0*	15
	F	39	0	0*	9	161	0	0*	0	0*	1	26*	13	113	4	293*	3	65*	0	0*	2	235*	1	134*	0	0*	6
	T	73	1		11		0		0		7		13		4		3		5		5		3		0		21
FREETOWN	M	12	1	276*	5	242	0	0*	1	367*	2	86*	0	0*	0	0*	0	0*	1	43*	0	0*	0	0*	0	0*	2
	F	8	0	0*	1	77*	0	0*	0	0*	1	145*	2	85*	0	0*	1	112*	0	0*	0	0*	0	0*	1	458*	2
	T	20	1		6		0		1		3		2		0		1		1		0		0		1		4
GARDNER	M	44	3	221*	9	117	0	0*	1	96*	12	131	0	0*	0	0*	0	0*	11	130	0	0*	0	0*	2	144*	6
	F	41	0	0*	7	94	0	0*	0	0*	5	118	14	120	0	0*	5	108	0	0*	1	93*	2	231*	2	177*	5
	T	85	3		16		0		1		17		14		0		5		11		1		2		4		11
GAY HEAD	M	0	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0
	F	0	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0
	T	0	0		0		0		0		0		0		0		0		0		0		0		0		0
GEORGETOWN	M	8	0	0*	2	158*	0	0*	0	0*	1	69*	0	0*	0	0*	0	0*	1	71*	0	0*	0	0*	1	201*	3
	F	8	0	0*	2	141*	0	0*	0	0*	1	118*	3	129*	0	0*	2	217*	0	0*	0	0*	0	0*	0	0*	0
	T	16	0		4		0		0		2		3		0		2		1		0		0		1		3
GILL	M	4	0	0*	1	144*	0	0*	0	0*	1	111*	0	0*	0	0*	0	0*	0	0*	1	367*	0	0*	0	0*	1
	F	2	0	0*	0	0*	0	0*	0	0*	0	0*	2	380*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0
	T	6	0		1		0		0		1		2		0		0		0		1		0		0		1
GLOUCESTER	M	56	1	59*	8	84	1	263*	3	229*	17	145	0	0*	0	0*	0	0*	9	90	4	102*	1	62*	0	0*	12
	F	83	2	116*	13	89	1	406*	5	226	13	159	20	86	4	193*	7	76	0	0*	3	136*	0	0*	2	80*	13
	T	139	3		21		2		8		30		20		4		7		9		7		1		2		25
GOSHEN	M	0	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0
	F	0	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0
	T	0	0		0		0		0		0		0		0		0		0		0		0		0		0

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MASSACHUSETTS DEPARTMENT OF PUBLIC HEALTH CANCER REGISTRY
1983 CANCER INCIDENCE

CITY-TOWN	SEX	ALL SITES	ST	PIR	CO RE	PIR	LI	PIR	PA	PIR	LU	PIR	BR	PIR	CE	PIR	UT	PIR	PR	PIR	BL	PIR	KI	PIR	HE RE	PIR	OTHER SITES
GOSNOLD	M	0	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0
	F	0	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0
	T	0	0		0		0		0		0		0		0		0		0		0		0		0		0
GRAFTON	M	17	1	190*	5	163	0	0*	1	242*	2	57*	0	0*	0	0*	0	0*	2	56*	1	78*	0	0*	1	190*	4
	F	23	0	0*	5	148	0	0*	0	0*	1	39*	5	71	1	137*	2	71*	0	0*	1	195*	3	674*	0	0*	5
	T	40	1		10		0		1		3		5		1		2		2		2		3		1		9
GRANBY	M	12	1	276*	1	51*	0	0*	0	0*	2	79*	0	0*	0	0*	0	0*	4	224*	0	0*	1	276*	0	0*	3
	F	9	0	0*	2	193*	0	0*	0	0*	1	120*	2	93*	0	0*	2	193*	0	0*	0	0*	0	0*	0	0*	2
	T	21	1		3		0		0		3		2		0		2		4		0		1		0		5
GRANVILLE	M	4	0	0*	1	170*	0	0*	0	0*	2	258*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	1
	F	2	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	1	444*	0	0*	0	0*	0	0*	0	0*	1
	T	6	0		1		0		0		2		0		0		1		0		0		0		0		2
GREAT BARRINGTON	M	25	1	134*	4	100*	0	0*	1	185*	4	78*	0	0*	0	0*	0	0*	2	54*	5	302+	1	132*	0	0*	7
	F	29	4	525*	2	32*	0	0*	2	218*	1	38*	6	80	1	218*	2	70*	0	0*	2	212*	2	319*	0	0*	7
	T	54	5		6		0		3		5		6		1		2		2		7		3		0		14
GREENFIELD	M	39	0	0*	6	93	0	0*	2	225*	8	103	0	0*	0	0*	0	0*	8	113	3	112*	0	0*	0	0*	12
	F	46	0	0*	6	74	0	0*	1	85*	4	92*	17	132	2	169*	4	78*	0	0*	3	255*	1	104*	1	67*	7
	T	85	0		12		0		3		12		17		2		4		8		6		1		1		19
GROTON	M	12	0	0*	1	53*	0	0*	0	0*	3	126*	0	0*	0	0*	0	0*	4	219*	0	0*	0	0*	1	247*	3
	F	10	0	0*	1	68*	0	0*	1	431*	0	0*	2	66*	0	0*	1	81*	0	0*	1	446*	1	510*	0	0*	3
	T	22	0		2		0		1		3		2		0		1		4		1		1		1		6
GROVELAND	M	5	1	602*	0	0*	1	999*	0	0*	0	0*	0	0*	0	0*	0	0*	2	165*	0	0*	0	0*	0	0*	1
	F	3	0	0*	0	0*	0	0*	0	0*	0	0*	3	296*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0
	T	8	1		0		1		0		0		3		0		0		2		0		0		0		1
HADLEY	M	8	1	418*	3	228*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	1	86*	0	0*	0	0*	1	390*	2
	F	6	0	0*	2	202*	0	0*	0	0*	0	0*	0	0*	0	0*	1	149*	0	0*	0	0*	1	903*	1	638*	1
	T	14	1		5		0		0		0		0		0		1		1		0		1		2		3
HALIFAX	M	10	0	0*	4	237*	0	0*	0	0*	1	50*	0	0*	0	0*	0	0*	2	113*	0	0*	1	336*	1	309*	1
	F	10	0	0*	0	0*	0	0*	0	0*	1	87*	2	64*	0	0*	4	315*	0	0*	0	0*	1	505*	1	472*	1
	T	20	0		4		0		0		2		2		0		4		2		0		2		2		2
HAMILTON	M	7	0	0*	2	184*	0	0*	0	0*	1	86*	0	0*	0	0*	0	0*	2	162*	0	0*	0	0*	0	0*	2
	F	4	0	0*	0	0*	0	0*	0	0*	0	0*	1	82*	0	0*	1	214*	0	0*	1	999*	0	0*	0	0*	1
	T	11	0		2		0		0		1		1		0		1		2		1		0		0		3
HAMPDEN	M	4	1	822*	0	0*	0	0*	0	0*	1	126*	0	0*	0	0*	0	0*	2	209*	0	0*	0	0*	0	0*	0
	F	6	0	0*	0	0*	0	0*	0	0*	1	147*	3	173*	0	0*	1	144*	0	0*	0	0*	0	0*	0	0*	1
	T	10	1		0		0		0		2		3		0		1		2		0		0		0		1

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HANCOCK	M	0	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0
	F	1	0	0*	0	0*	0	0*	0	0*	0	0*	1	413*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0
	T	1	0		0		0		0		0		1		0		0		0		0		0		0		0
HANOVER	M	16	0	0*	1	38*	0	0*	0	0*	3	97*	0	0*	0	0*	0	0*	4	135*	1	90*	0	0*	0	0*	7
	F	22	0	0*	0	0*	1	999*	0	0*	2	84*	6	87	2	247*	4	144*	0	0*	3	684*	0	0*	1	214*	3
	T	38	0		1		1		0		5		6		2		4		4		4		0		1		10
HANSON	M	10	0	0*	2	111*	0	0*	0	0*	2	96*	0	0*	0	0*	0	0*	2	98*	0	0*	1	351*	1	324*	2
	F	12	0	0*	0	0*	0	0*	0	0*	2	162*	4	116*	0	0*	2	147*	0	0*	0	0*	0	0*	0	0*	4
	T	22	0		2		0		0		4		4		0		2		2		0		1		1		6
HARDWICK	M	9	0	0*	2	117*	0	0*	0	0*	1	59*	0	0*	0	0*	0	0*	3	135*	2	279*	0	0*	0	0*	1
	F	3	1	999*	0	0*	0	0*	0	0*	1	273*	1	127*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0
	T	12	1		2		0		0		2		1		0		0		3		2		0		0		1
HARVARD	M	7	0	0*	0	0*	0	0*	0	0*	3	207*	0	0*	0	0*	0	0*	0	0*	2	498*	0	0*	1	212*	1
	F	7	0	0*	2	156*	0	0*	0	0*	0	0*	3	150*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	2
	T	14	0		2		0		0		3		3		0		0		0		2		0		1		3
HARWICH	M	27	1	118*	6	123	0	0*	1	157*	5	95	0	0*	0	0*	0	0*	6	104	1	49*	4	558*	1	118*	2
	F	44	0	0*	8	104	0	0*	3	257*	1	22*	8	63	3	263*	9	182	0	0*	3	258*	0	0*	0	0*	9
	T	71	1		14		0		4		6		8		3		9		6		4		4		1		11
HATFIELD	M	10	0	0*	5	298+	0	0*	0	0*	2	87*	0	0*	0	0*	0	0*	1	63*	0	0*	0	0*	1	316*	1
	F	8	0	0*	3	231*	0	0*	0	0*	0	0*	2	85*	0	0*	2	224*	0	0*	0	0*	0	0*	0	0*	1
	T	18	0		8		0		0		2		2		0		2		1		0		0		1		2
HAVERHILL	M	97	7	239+	17	103	0	0*	1	45*	22	110	0	0*	0	0*	0	0*	14	80	7	102	4	146*	1	30*	24
	F	84	1	58*	8	54	2	816*	3	134*	8	94	28	117	3	138*	17	181+	0	0*	1	45*	1	59*	0	0*	12
	T	181	8		25		2		4		30		28		3		17		14		8		5		1		36
HAWLEY	M	0	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0
	F	0	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0
	T	0	0		0		0		0		0		0		0		0		0		0		0		0		0
HEATH	M	0	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0
	F	0	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0
	T	0	0		0		0		0		0		0		0		0		0		0		0		0		0
HINGHAM	M	27	1	130*	4	93*	0	0*	0	0*	7	142	0	0*	0	0*	0	0*	4	85*	0	0*	1	140*	1	73*	9
	F	41	0	0*	8	113	0	0*	2	188*	6	149	12	102	0	0*	9	195	0	0*	0	0*	1	123*	1	91*	2
	T	68	1		12		0		2		13		12		0		9		4		0		2		2		11
HINSDALE	M	3	1	999*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	1	480*	0	0*	0	0*	1
	F	4	0	0*	3	295*	0	0*	0	0*	0	0*	1	103*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0
	T	7	1		3		0		0		0		1		0		0		0		1		0		0		1

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MASSACHUSETTS DEPARTMENT OF PUBLIC HEALTH CANCER REGISTRY
1983 CANCER INCIDENCE

CITY-TOWN	SEX	ALL SITES	ST	PIR	CO RE	PIR	LI	PIR	PA	PIR	LU	PIR	BR	PIR	CE	PIR	UT	PIR	PR	PIR	BL	PIR	KI	PIR	HE RE	PIR	OTHER SITES
HOLBROOK	M	20	0	0*	0	0*	0	0*	1	209*	5	131	0	0*	0	0*	0	0*	2	43*	4	252*	1	199*	0	0*	7
	F	14	0	0*	0	0*	0	0*	0	0*	1	66*	6	137	0	0*	2	113*	0	0*	0	0*	0	0*	1	327*	4
	T	34	0		0		0		1		6		6		0		2		2		4		1		1		11
HOLDEN	M	22	0	0*	7	197	0	0*	0	0*	5	119	0	0*	0	0*	0	0*	6	160	1	69*	0	0*	1	104*	2
	F	33	2	315*	5	91	0	0*	1	121*	2	62*	11	119	3	331*	2	54*	0	0*	1	121*	0	0*	0	0*	6
	T	55	2		12		0		1		7		11		3		2		6		2		0		1		8
HOLLAND	M	4	0	0*	0	0*	0	0*	0	0*	3	363*	0	0*	0	0*	0	0*	1	119*	0	0*	0	0*	0	0*	0
	F	2	0	0*	0	0*	0	0*	0	0*	0	0*	2	301*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0
	T	6	0		0		0		0		3		2		0		0		1		0		0		0		0
HOLLISTON	M	13	0	0*	1	47*	0	0*	1	334*	4	144*	0	0*	0	0*	0	0*	2	97*	0	0*	0	0*	1	237*	4
	F	21	0	0*	3	105*	0	0*	0	0*	2	105*	6	93	0	0*	4	161*	0	0*	0	0*	1	275*	0	0*	5
	T	34	0		4		0		1		6		6		0		4		2		0		1		1		9
HOLYOKE	M	113	4	114*	18	93	0	0*	3	114*	24	102	0	0*	0	0*	0	0*	21	104	9	112	1	31*	2	55*	31
	F	127	5	184	19	82	1	261*	2	58*	13	105	36	104	1	39*	18	129	0	0*	6	177	3	107*	3	68*	20
	T	240	9		37		1		5		37		36		1		18		21		15		4		5		51
HOPEDALE	M	13	0	0*	2	104*	0	0*	2	730*	0	0*	0	0*	0	0*	0	0*	1	71*	1	127*	0	0*	1	224*	6
	F	5	0	0*	0	0*	0	0*	0	0*	0	0*	3	202*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	2
	T	18	0		2		0		2		0		3		0		0		1		1		0		1		8
HOPKINTON	M	15	0	0*	5	211	0	0*	0	0*	6	179	0	0*	0	0*	0	0*	1	49*	1	101*	0	0*	0	0*	2
	F	14	0	0*	4	168*	0	0*	1	271*	1	80*	2	50*	1	223*	3	197*	0	0*	1	269*	0	0*	0	0*	1
	T	29	0		9		0		1		7		2		1		3		1		2		0		0		3
HUBBARDSTON	M	3	0	0*	0	0*	0	0*	1	999*	1	163*	0	0*	0	0*	0	0*	1	145*	0	0*	0	0*	0	0*	0
	F	0	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0
	T	3	0		0		0		1		1		0		0		0		1		0		0		0		0
HUDSON	M	20	2	354*	4	128*	0	0*	0	0*	6	148	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	8
	F	36	1	153*	10	174	0	0*	0	0*	2	58*	5	51	1	99*	6	150	0	0*	2	228*	1	136*	3	216*	5
	T	56	3		14		0		0		8		5		1		6		0		2		1		3		13
HULL	M	24	1	134*	4	95*	0	0*	2	350*	2	39*	0	0*	0	0*	0	0*	3	67*	2	114*	0	0*	0	0*	10
	F	26	2	446*	2	49*	0	0*	0	0*	3	106*	8	103	3	386*	2	64*	0	0*	0	0*	0	0*	0	0*	6
	T	50	3		6		0		2		5		8		3		2		3		2		0		0		16
HUNTINGTON	M	3	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	2	348*	1	458*	0	0*	0	0*	0
	F	4	0	0*	0	0*	0	0*	0	0*	2	618*	1	105*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	1
	T	7	0		0		0		0		2		1		0		0		2		1		0		0		1
IPSWICH	M	20	0	0*	3	96*	0	0*	0	0*	4	99*	0	0*	0	0*	0	0*	3	104*	0	0*	1	165*	2	297*	7
	F	27	0	0*	5	106	1	999*	0	0*	3	111*	9	115	2	292*	2	65*	0	0*	0	0*	1	179*	0	0*	4
	T	47	0		8		1		0		7		9		2		2		3		0		2		2		11

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MASSACHUSETTS DEPARTMENT OF PUBLIC HEALTH CANCER REGISTRY
1983 CANCER INCIDENCE

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KINGSTON	M	16	0	0*	3	113*	0	0*	0	0*	1	29*	0	0*	0	0*	0	0*	4	148*	0	0*	1	216*	2	388*	5
	F	19	0	0*	1	32*	0	0*	0	0*	3	142*	7	126	0	0*	1	45*	0	0*	0	0*	1	259*	2	423*	4
	T	35	0		4		0		0		4		7		0		1		4		0		2		4		9
LAKEVILLE	M	14	0	0*	3	142*	0	0*	0	0*	6	243	0	0*	0	0*	0	0*	3	145*	1	111*	0	0*	1	139*	0
	F	16	0	0*	1	38*	0	0*	2	496*	2	115*	8	170	1	240*	1	53*	0	0*	0	0*	1	307*	0	0*	0
	T	30	0		4		0		2		8		8		1		1		3		1		1		1		0
LANCASTER	M	8	0	0*	1	72*	0	0*	0	0*	3	174*	0	0*	0	0*	0	0*	3	217*	0	0*	0	0*	0	0*	1
	F	6	0	0*	0	0*	0	0*	0	0*	0	0*	2	118*	0	0*	1	151*	0	0*	0	0*	0	0*	0	0*	3
	T	14	0		1		0		0		3		2		0		1		3		0		0		0		4
LANESBOROUGH	M	4	0	0*	0	0*	0	0*	0	0*	1	131*	0	0*	0	0*	0	0*	1	106*	1	326*	1	917*	0	0*	0
	F	2	0	0*	1	594*	0	0*	0	0*	0	0*	1	147*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0
	T	6	0		1		0		0		1		1		0		0		1		1		1		0		0
LAWRENCE	M	126	3	80*	23	109	1	114*	3	105*	32	126	0	0*	0	0*	0	0*	8	36=	6	68	4	112*	6	139	40
	F	154	6	180	29	104	1	225*	6	141	13	84	45	104	1	28*	14	82	0	0*	7	167	4	125*	7	158	21
	T	280	9		52		2		9		45		45		1		14		8		13		8		13		61
LEE	M	14	1	239*	3	130*	0	0*	0	0*	5	171	0	0*	0	0*	0	0*	3	136*	2	206*	0	0*	0	0*	0
	F	18	0	0*	5	149	0	0*	2	391*	1	52*	5	99	0	0*	2	100*	0	0*	1	197*	0	0*	1	201*	1
	T	32	1		8		0		2		6		5		0		2		3		3		0		1		1
LEICESTER	M	21	2	308*	3	82*	0	0*	0	0*	4	87*	0	0*	0	0*	0	0*	9	238+	0	0*	0	0*	0	0*	3
	F	22	0	0*	3	70*	0	0*	0	0*	2	97*	10	167	1	191*	1	44*	0	0*	2	312*	1	226*	0	0*	2
	T	43	2		6		0		0		6		10		1		1		9		2		1		0		5
LENOX	M	6	0	0*	2	176*	0	0*	1	731*	1	89*	0	0*	0	0*	0	0*	1	74*	0	0*	1	616*	0	0*	0
	F	16	1	253*	2	59*	0	0*	0	0*	1	63*	6	145	0	0*	2	125*	0	0*	0	0*	0	0*	0	0*	4
	T	22	1		4		0		1		2		6		0		2		1		0		1		0		4
LEOMINSTER	M	50	1	66*	6	70	0	0*	3	251*	14	129	0	0*	0	0*	0	0*	4	45*	4	113*	1	69*	4	253*	13
	F	62	1	74*	11	96	0	0*	2	115*	7	109	15	86	0	0*	7	102	0	0*	1	58*	1	77*	3	175*	14
	T	112	2		17		0		5		21		15		0		7		4		5		2		7		27
LEVERETT	M	0	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0
	F	0	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0
	T	0	0		0		0		0		0		0		0		0		0		0		0		0		0
LEXINGTON	M	53	0	0*	9	104	0	0*	0	0*	10	92	0	0*	0	0*	0	0*	16	179+	5	138	2	134*	0	0*	11
	F	71	2	150*	12	104	0	0*	3	171*	7	99	20	97	0	0*	7	85	0	0*	2	117*	2	138*	2	98*	14
	T	124	2		21		0		3		17		20		0		7		16		7		4		2		25
LEYDEN	M	2	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	1	275*	0	0*	0	0*	1	999*	0
	F	1	0	0*	0	0*	0	0*	0	0*	0	0*	1	413*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0
	T	3	0		0		0		0		0		1		0		0		1		0		0		1		0

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LINCOLN	M	11	0	0*	0	0*	0	0*	0	0*	2	88*	0	0*	0	0*	0	0*	1	69*	1	149*	0	0*	1	268*	6
	F	11	0	0*	4	217*	0	0*	1	357*	2	162*	2	61*	0	0*	0	0*	0	0*	0	0*	0	0*	1	369*	1
	T	22	0		4		0		1		4		2		0		0		1		1		0		2		7
LITTLETON	M	10	0	0*	3	166*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	3	139*	0	0*	1	388*	1	325*	2
	F	23	0	0*	4	103*	0	0*	4	679*	3	134*	7	105	1	150*	2	77*	0	0*	0	0*	0	0*	1	165*	1
	T	33	0		7		0		4		3		7		1		2		3		0		1		2		3
LONGMEADOW	M	28	1	117*	6	128	0	0*	0	0*	3	53*	0	0*	0	0*	0	0*	6	126	2	101*	0	0*	0	0*	10
	F	38	0	0*	9	137	0	0*	0	0*	6	153	10	91	0	0*	4	92*	0	0*	2	204*	0	0*	2	200*	5
	T	66	1		15		0		0		9		10		0		4		6		4		0		2		15
LOWELL	M	210	5	80	28	80	2	135*	6	127	54	127	0	0*	0	0*	0	0*	32	88	22	151	1	17*	5	66	55
	F	168	6	169	25	83	1	209*	4	88*	23	135	40	83	6	148	30	159+	0	0*	5	111	3	87*	4	88*	21
	T	378	11		53		3		10		77		40		6		30		32		27		4		9		76
LUDLOW	M	26	1	123*	2	45*	0	0*	1	168*	6	110	0	0*	0	0*	0	0*	6	132	2	109*	1	131*	1	120*	6
	F	33	0	0*	6	126	0	0*	0	0*	3	95*	11	112	2	178*	4	102*	0	0*	1	142*	0	0*	0	0*	6
	T	59	1		8		0		1		9		11		2		4		6		3		1		1		12
LUNENBURG	M	9	0	0*	1	68*	0	0*	0	0*	1	55*	0	0*	0	0*	0	0*	2	144*	1	164*	0	0*	0	0*	4
	F	19	0	0*	2	67*	0	0*	1	219*	4	201*	7	125	0	0*	2	90*	0	0*	0	0*	0	0*	0	0*	3
	T	28	0		3		0		1		5		7		0		2		2		1		0		0		7
LYNN	M	171	4	78*	29	101	0	0*	3	78*	39	114	0	0*	0	0*	0	0*	26	85	12	101	5	105	13	188+	40
	F	163	3	89*	30	105	2	433*	6	138	26	156+	41	87	5	125	15	81	0	0*	1	23*	4	119*	1	23*	29
	T	334	7		59		2		9		65		41		5		15		26		13		9		14		69
LYNNFIELD	M	14	0	0*	4	164*	0	0*	0	0*	2	65*	0	0*	0	0*	0	0*	5	192	1	102*	0	0*	0	0*	2
	F	26	0	0*	7	163	0	0*	1	152*	3	106*	5	68	0	0*	4	132*	0	0*	0	0*	1	176*	0	0*	5
	T	40	0		11		0		1		5		5		0		4		5		1		1		0		7
MALDEN	M	125	5	133	19	90	2	232*	4	139*	25	96	0	0*	0	0*	0	0*	23	106	8	92	4	112*	1	23*	34
	F	154	8	256+	30	112	0	0*	5	123	16	102	49	112	4	102*	18	104	0	0*	1	24*	1	32*	0	0*	22
	T	279	13		49		2		9		41		49		4		18		23		9		5		1		56
MANCHESTER	M	11	0	0*	1	62*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	4	329*	1	152*	0	0*	0	0*	5
	F	11	0	0*	2	121*	0	0*	0	0*	2	164*	4	119*	1	311*	0	0*	0	0*	0	0*	0	0*	0	0*	2
	T	22	0		3		0		0		2		4		1		0		4		1		0		0		7
MANSFIELD	M	27	0	0*	2	51*	1	431*	0	0*	10	193	0	0*	0	0*	0	0*	4	118*	2	123*	0	0*	1	85*	7
	F	16	0	0*	2	109*	0	0*	1	348*	0	0*	7	145	0	0*	1	49*	0	0*	0	0*	2	631*	1	187*	2
	T	43	0		4		1		1		10		7		0		1		4		2		2		2		9
MARBLEHEAD	M	30	1	111*	6	117	0	0*	0	0*	7	115	0	0*	0	0*	0	0*	5	88	2	94*	2	238*	0	0*	7
	F	45	0	0*	6	85	0	0*	1	93*	5	106	17	127	0	0*	8	150	0	0*	1	94*	1	114*	2	181*	4
	T	75	1		12		0		1		12		17		0		8		5		3		3		2		11

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MASSACHUSETTS DEPARTMENT OF PUBLIC HEALTH CANCER REGISTRY
1983 CANCER INCIDENCE

CITY-TOWN	SEX	ALL SITES	ST	PIR	CO RE	PIR	LI	PIR	PA	PIR	LU	PIR	BR	PIR	CE	PIR	UT	PIR	PR	PIR	BL	PIR	KI	PIR	HE RE	PIR	OTHER SITES
MARION	M	16	0	0*	1	37*	0	0*	2	581*	2	67*	0	0*	0	0*	0	0*	3	105*	2	174*	2	460*	0	0*	4
	F	5	0	0*	0	0*	0	0*	0	0*	1	191*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	4
	T	21	0		1		0		2		3		0		0		0		3		2		2		0		8
MARLBOROUGH	M	37	1	95*	3	52*	0	0*	0	0*	11	151	0	0*	0	0*	0	0*	5	90	1	42*	0	0*	3	203*	13
	F	59	0	0*	10	96	0	0*	0	0*	4	67*	26	152+	1	70*	5	74	0	0*	2	132*	1	81*	1	64*	9
	T	96	1		13		0		0		15		26		1		5		5		3		1		4		22
MARSHFIELD	M	43	1	82*	2	30*	0	0*	2	219*	9	107	0	0*	0	0*	0	0*	1	16*	3	107*	4	322*	2	119*	19
	F	26	0	0*	4	90*	0	0*	0	0*	7	285#	5	67	0	0*	3	106*	0	0*	2	287*	0	0*	0	0*	5
	T	69	1		6		0		2		16		5		0		3		1		5		4		2		24
MASHPEE	M	8	0	0*	0	0*	0	0*	0	0*	3	181*	0	0*	0	0*	0	0*	2	119*	0	0*	1	481*	0	0*	2
	F	7	0	0*	3	231*	0	0*	0	0*	0	0*	3	155*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	1
	T	15	0		3		0		0		3		3		0		0		2		0		1		0		3
MATTAPOISETT	M	9	1	406*	1	71*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	1	67*	0	0*	0	0*	0	0*	6
	F	15	0	0*	1	35*	0	0*	1	228*	0	0*	7	169	0	0*	0	0*	0	0*	0	0*	2	637*	0	0*	4
	T	24	1		2		0		1		0		7		0		0		1		0		2		0		10
MAYNARD	M	30	1	113*	5	98	1	560*	1	144*	4	67*	0	0*	0	0*	0	0*	6	105	3	142*	0	0*	2	168*	7
	F	21	0	0*	4	105*	1	999*	1	172*	2	98*	6	101	0	0*	3	131*	0	0*	0	0*	0	0*	1	171*	3
	T	51	1		9		2		2		6		6		0		3		6		3		0		3		10
MEDFIELD	M	20	2	358*	4	133*	0	0*	0	0*	1	26*	0	0*	0	0*	0	0*	1	35*	1	80*	0	0*	3	326*	8
	F	17	0	0*	5	169	1	999*	0	0*	2	111*	4	82*	0	0*	1	52*	0	0*	0	0*	0	0*	0	0*	4
	T	37	2		9		1		0		3		4		0		1		1		1		0		3		12
MEDFORD	M	135	2	49*	27	118	1	110*	5	162	22	80	1	474*	0	0*	0	0*	17	70	11	116	5	132	5	104	39
	F	154	4	126*	28	104	0	0*	1	24*	19	122	38	87	2	51*	14	82	0	0*	2	49*	4	128*	5	114	37
	T	289	6		55		1		6		41		39		2		14		17		13		9		10		76
MEDWAY	M	9	0	0*	1	68*	0	0*	0	0*	1	56*	0	0*	0	0*	0	0*	2	139*	1	159*	1	389*	0	0*	3
	F	12	0	0*	2	115*	0	0*	1	368*	1	69*	5	137	0	0*	2	133*	0	0*	0	0*	0	0*	0	0*	1
	T	21	0		3		0		1		2		5		0		2		2		1		1		0		4
MELROSE	M	50	2	132*	10	116	0	0*	2	178*	10	107	0	0*	0	0*	0	0*	5	49	5	137	0	0*	2	87*	14
	F	91	1	49*	18	106	0	0*	1	39*	12	135	22	87	2	94*	14	142	0	0*	2	78*	2	107*	1	38*	16
	T	141	3		28		0		3		22		22		2		14		5		7		2		3		30
MENDON	M	2	0	0*	1	290*	0	0*	0	0*	1	232*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0
	F	6	0	0*	4	344*	0	0*	0	0*	0	0*	1	60*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	1
	T	8	0		5		0		0		1		1		0		0		0		0		0		0		1
MERRIMAC	M	3	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	1	493*	0	0*	0	0*	2
	F	2	0	0*	1	412*	0	0*	0	0*	0	0*	1	150*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0
	T	5	0		1		0		0		0		1		0		0		0		1		0		0		2

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METHUEN	M	77	1	44*	15	117	1	190*	0	0*	17	109	0	0*	0	0*	0	0*	10	74	1	19*	1	45*	4	147*	27
	F	82	3	188*	13	94	0	0*	4	188*	10	115	17	71	2	94*	9	95	0	0*	3	144*	3	180*	2	96*	16
	T	159	4		28		1		4		27		17		2		9		10		4		4		6		43
MIDDLEBOROUGH	M	46	1	70*	7	86	0	0*	3	270*	10	102	0	0*	0	0*	0	0*	6	67	1	30*	0	0*	0	0*	18
	F	32	0	0*	5	92	0	0*	1	124*	3	96*	9	95	5	584#	3	80*	0	0*	1	130*	0	0*	0	0*	5
	T	78	1		12		0		4		13		9		5		3		6		2		0		0		23
MIDDLEFIELD	M	0	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0
	F	0	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0
	T	0	0		0		0		0		0		0		0		0		0		0		0		0		0
MIDDLETON	M	9	0	0*	1	72*	0	0*	0	0*	2	100*	0	0*	0	0*	0	0*	2	179*	1	178*	1	346*	0	0*	2
	F	11	2	821*	3	145*	0	0*	0	0*	1	83*	0	0*	0	0*	2	165*	0	0*	0	0*	0	0*	0	0*	3
	T	20	2		4		0		0		3		0		0		2		2		1		1		0		5
MILFORD	M	48	0	0*	8	100	2	597*	0	0*	11	105	0	0*	0	0*	0	0*	10	126	3	91*	2	141*	2	130*	10
	F	43	1	139*	9	140	1	750*	0	0*	5	116	8	65	1	78*	10	199+	0	0*	1	103*	1	115*	0	0*	6
	T	91	1		17		3		0		16		8		1		10		10		4		3		2		16
MILLBURY	M	29	3	339*	5	100	0	0*	1	144*	5	78	0	0*	0	0*	0	0*	5	99	1	48*	0	0*	3	328*	6
	F	30	0	0*	4	69*	0	0*	0	0*	3	100*	8	97	0	0*	5	156	0	0*	1	114*	0	0*	2	227*	7
	T	59	3		9		0		1		8		8		0		5		5		2		0		5		13
MILLIS	M	5	0	0*	1	124*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	1	110*	1	306*	0	0*	0	0*	2
	F	12	0	0*	2	106*	0	0*	0	0*	2	154*	4	111*	0	0*	1	69*	0	0*	0	0*	0	0*	0	0*	3
	T	17	0		3		0		0		2		4		0		1		1		1		0		0		5
MILLVILLE	M	0	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0
	F	1	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	1	999*	0	0*	0	0*	0	0*	0	0*	0
	T	1	0		0		0		0		0		0		0		1		0		0		0		0		0
MILTON	M	64	0	0*	11	103	0	0*	0	0*	10	75	0	0*	0	0*	0	0*	18	165+	1	23*	2	107*	1	48*	21
	F	60	0	0*	6	53	0	0*	4	239*	3	57*	19	121	2	171*	5	80	0	0*	1	60*	2	149*	2	81*	16
	T	124	0		17		0		4		13		19		2		5		18		2		4		3		37
MONROE	M	1	0	0*	0	0*	0	0*	0	0*	1	554*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0
	F	0	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0
	T	1	0		0		0		0		1		0		0		0		0		0		0		0		0
MONSON	M	8	0	0*	0	0*	0	0*	0	0*	3	225*	0	0*	0	0*	0	0*	3	250*	0	0*	0	0*	0	0*	2
	F	8	0	0*	1	72*	0	0*	0	0*	0	0*	4	172*	0	0*	1	111*	0	0*	0	0*	0	0*	0	0*	2
	T	16	0		1		0		0		3		4		0		1		3		0		0		0		4
MONTAGUE	M	23	1	135*	3	72*	0	0*	0	0*	4	86*	0	0*	0	0*	0	0*	3	65*	1	57*	1	160*	1	138*	9
	F	33	3	455*	7	122	0	0*	0	0*	3	81*	5	53	0	0*	5	132	0	0*	1	113*	1	148*	0	0*	8
	T	56	4		10		0		0		7		5		0		5		3		2		2		1		17

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MONTEREY	M	3	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	2	280*	0	0*	0	0*	0	0*	1
	F	0	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0
	T	3	0		0		0		0		0		0		0		0		2		0		0		0		1
MONTGOMERY	M	0	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0
	F	2	0	0*	1	244*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	1
	T	2	0		1		0		0		0		0		0		0		0		0		0		0		1
MOUNT WASHINGTON	M	3	0	0*	0	0*	0	0*	0	0*	1	163*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	1	999*	1
	F	0	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0
	T	3	0		0		0		0		1		0		0		0		0		0		0		1		1
NAHANT	M	5	1	730*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	4
	F	10	0	0*	2	114*	0	0*	0	0*	2	213*	1	35*	0	0*	1	89*	0	0*	0	0*	0	0*	0	0*	4
	T	15	1		2		0		0		2		1		0		1		0		0		0		0		8
NANTUCKET	M	6	1	543*	1	97*	0	0*	0	0*	1	73*	0	0*	0	0*	0	0*	2	193*	0	0*	0	0*	0	0*	1
	F	13	0	0*	1	48*	0	0*	0	0*	1	79*	3	78*	1	240*	4	265*	0	0*	0	0*	1	393*	0	0*	2
	T	19	1		2		0		0		2		3		1		4		2		0		1		0		3
NATICK	M	73	0	0*	15	134	0	0*	5	330+	7	50	0	0*	0	0*	0	0*	16	153	1	22*	5	229	1	37*	23
	F	54	1	89*	13	135	0	0*	1	70*	7	136	13	87	0	0*	4	68*	0	0*	2	139*	0	0*	3	173*	10
	T	127	1		28		0		6		14		13		0		4		16		3		5		4		33
NEEDHAM	M	53	0	0*	4	45*	0	0*	2	168*	7	65	0	0*	0	0*	0	0*	11	117	5	134	0	0*	3	138*	21
	F	76	2	133*	10	78	1	446*	1	51*	6	81	29	132	0	0*	7	82	0	0*	3	155*	0	0*	3	149*	14
	T	129	2		14		1		3		13		29		0		7		11		8		0		6		35
NEW ASHFORD	M	0	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0
	F	0	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0
	T	0	0		0		0		0		0		0		0		0		0		0		0		0		0
NEW BEDFORD	M	200	6	99	27	80	0	0*	3	66*	55	138+	0	0*	0	0*	0	0*	39	106	16	112	5	91	4	53*	45
	F	192	0	0*	44	135	1	178*	5	101	16	82	56	101	8	154	20	91	0	0*	7	143	6	155	8	152	21
	T	392	6		71		1		8		71		56		8		20		39		23		11		12		66
NEW BRAINTREE	M	1	0	0*	1	555*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0
	F	1	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	1	999*	0	0*	0
	T	2	0		1		0		0		0		0		0		0		0		0		1		0		0
NEW MARLBOROUGH	M	1	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	1
	F	4	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	1	254*	0	0*	1	760*	0	0*	0	0*	2
	T	5	0		0		0		0		0		0		0		1		0		1		0		0		3
NEW SALEM	M	1	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	1	999*	0	0*	0	0*	0
	F	2	0	0*	0	0*	0	0*	0	0*	1	391*	1	150*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0
	T	3	0		0		0		0		1		1		0		0		0		1		0		0		0

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NEWBURY	M	8	1	411*	0	0*	0	0*	0	0*	2	121*	0	0*	0	0*	0	0*	0	0*	1	167*	0	0*	0	0*	4
	F	3	0	0*	0	0*	0	0*	0	0*	0	0*	2	235*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	1
	T	11	1		0		0		0		2		2		0		0		0		1		0		0		5
NEWBURYPORT	M	25	0	0*	2	45*	0	0*	1	172*	6	121	0	0*	0	0*	0	0*	6	120	1	54*	2	293*	1	126*	6
	F	41	2	255*	5	75	0	0*	0	0*	4	106*	14	117	1	71*	5	109	0	0*	3	296*	0	0*	0	0*	7
	T	66	2		7		0		1		10		14		1		5		6		4		2		1		13
NEWTON	M	165	6	118	18	62	1	97*	7	181	34	103	0	0*	0	0*	0	0*	30	91	18	149	9	201	5	92	37
	F	226	4	87*	37	94	0	0*	5	84	26	119	68	107	3	52*	21	84	0	0*	3	51*	3	64*	6	85	50
	T	391	10		55		1		12		60		68		3		21		30		21		12		11		87
NORFOLK	M	4	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	1	173*	0	0*	0	0*	0	0*	3
	F	5	0	0*	0	0*	0	0*	0	0*	1	227*	1	64*	0	0*	0	0*	0	0*	0	0*	0	0*	2	999*	1
	T	9	0		0		0		0		1		1		0		0		1		0		0		2		4
NORTH ADAMS	M	55	0	0*	9	96	0	0*	4	310*	16	142	0	0*	0	0*	0	0*	12	116	3	78*	1	64*	3	152*	7
	F	54	1	75*	14	129	0	0*	0	0*	2	39*	13	89	5	479#	5	89	0	0*	1	61*	1	88*	3	182*	9
	T	109	1		23		0		4		18		13		5		5		12		4		2		6		16
NORTH ANDOVER	M	44	2	157*	9	127	0	0*	0	0*	5	55	0	0*	0	0*	0	0*	5	69	4	137*	2	158*	3	158*	14
	F	38	3	341*	6	83	1	924*	1	90*	5	132	4	38*	2	261*	6	145	0	0*	0	0*	1	124*	3	277*	6
	T	82	5		15		1		1		10		4		2		6		5		4		3		6		20
NORTH ATTLEBORO	M	27	1	127*	2	47*	0	0*	0	0*	10	203+	0	0*	0	0*	0	0*	3	68*	1	56*	0	0*	0	0*	10
	F	41	1	124*	8	113	0	0*	0	0*	3	73*	16	135	0	0*	7	150	0	0*	2	192*	0	0*	0	0*	4
	T	68	2		10		0		0		13		16		0		7		3		3		0		0		14
NORTH BROOKFIELD	M	8	0	0*	0	0*	0	0*	0	0*	4	223*	0	0*	0	0*	0	0*	1	72*	2	361*	0	0*	0	0*	1
	F	7	0	0*	1	72*	0	0*	0	0*	1	180*	1	53*	0	0*	2	286*	0	0*	0	0*	0	0*	0	0*	2
	T	15	0		1		0		0		5		1		0		2		1		2		0		0		3
NORTH READING	M	18	1	184*	5	169	0	0*	0	0*	4	103*	0	0*	0	0*	0	0*	4	145*	0	0*	0	0*	0	0*	4
	F	18	0	0*	3	116*	0	0*	0	0*	3	163*	6	107	0	0*	2	90*	0	0*	0	0*	0	0*	0	0*	4
	T	36	1		8		0		0		7		6		0		2		4		0		0		0		8
NORTHAMPTON	M	55	1	61*	11	121	0	0*	0	0*	11	102	0	0*	0	0*	0	0*	9	95	2	53*	2	129*	0	0*	19
	F	54	3	256*	5	51	0	0*	2	134*	1	19*	21	144	2	181*	10	171	0	0*	0	0*	1	85*	1	51*	8
	T	109	4		16		0		2		12		21		2		10		9		2		3		1		27
NORTHBOROUGH	M	4	0	0*	2	349*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	2	999*	0
	F	21	0	0*	4	127*	1	999*	0	0*	2	88*	6	96	0	0*	4	161*	0	0*	1	202*	1	262*	0	0*	2
	T	25	0		6		1		0		2		6		0		4		0		1		1		2		2
NORTHBRIDGE	M	23	0	0*	6	155	0	0*	2	374*	1	22*	0	0*	0	0*	0	0*	5	111	4	251*	0	0*	1	104*	4
	F	27	0	0*	7	147	0	0*	0	0*	3	103*	9	116	0	0*	3	97*	0	0*	0	0*	0	0*	1	140*	4
	T	50	0		13		0		2		4		9		0		3		5		4		0		2		8

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MASSACHUSETTS DEPARTMENT OF PUBLIC HEALTH CANCER REGISTRY
1983 CANCER INCIDENCE

CITY-TOWN	SEX	ALL SITES	ST	PIR	CO RE	PIR	LI	PIR	PA	PIR	LU	PIR	BR	PIR	CE	PIR	UT	PIR	PR	PIR	BL	PIR	KI	PIR	HE RE	PIR	OTHER SITES
NORTHFIELD	M	6	0	0*	3	283*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	3
	F	5	0	0*	1	85*	0	0*	0	0*	0	0*	1	81*	0	0*	0	0*	0	0*	0	0*	0	0*	1	559*	2
	T	11	0		4		0		0		0		1		0		0		0		0		0		1		5
NORTON	M	19	0	0*	3	109*	0	0*	1	258*	4	107*	0	0*	0	0*	0	0*	3	123*	0	0*	0	0*	0	0*	8
	F	23	0	0*	2	63*	1	999*	1	211*	4	177*	6	86	2	205*	3	110*	0	0*	0	0*	1	255*	1	185*	2
	T	42	0		5		1		2		8		6		2		3		3		0		1		1		10
NORWELL	M	7	0	0*	1	93*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	1	108*	1	218*	0	0*	1	419*	3
	F	13	0	0*	1	43*	0	0*	0	0*	3	271*	3	81*	0	0*	3	213*	0	0*	0	0*	0	0*	0	0*	3
	T	20	0		2		0		0		3		3		0		3		1		1		0		1		6
NORWOOD	M	63	1	53*	12	113	0	0*	1	68*	14	104	0	0*	0	0*	0	0*	8	74	2	46*	3	162*	4	198*	18
	F	76	1	65*	11	83	0	0*	0	0*	12	146	22	100	1	58*	8	91	0	0*	2	101*	3	188*	6	306+	10
	T	139	2		23		0		1		26		22		1		8		8		4		6		10		28
OAK BLUFFS	M	5	0	0*	0	0*	0	0*	0	0*	4	396*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	1	664*	0
	F	3	0	0*	0	0*	0	0*	0	0*	0	0*	1	121*	0	0*	2	623*	0	0*	0	0*	0	0*	0	0*	0
	T	8	0		0		0		0		4		1		0		2		0		0		0		1		0
OAKHAM	M	1	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	1	999*	0	0*	0	0*	0	0*	0
	F	4	0	0*	1	181*	0	0*	0	0*	1	229*	1	83*	1	647*	0	0*	0	0*	0	0*	0	0*	0	0*	0
	T	5	0		1		0		0		1		1		1		0		1		0		0		0		0
ORANGE	M	12	0	0*	2	99*	1	999*	0	0*	4	165*	0	0*	0	0*	0	0*	3	136*	0	0*	0	0*	0	0*	2
	F	13	0	0*	3	135*	0	0*	0	0*	0	0*	3	89*	2	662*	1	72*	0	0*	0	0*	0	0*	0	0*	4
	T	25	0		5		1		0		4		3		2		1		3		0		0		0		6
ORLEANS	M	23	0	0*	6	148	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	8	166	1	58*	0	0*	0	0*	8
	F	16	0	0*	2	59*	0	0*	0	0*	1	71*	7	168	1	341*	0	0*	0	0*	1	190*	1	299*	2	384*	1
	T	39	0		8		0		0		1		7		1		0		8		2		1		2		9
OTIS	M	2	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	1	237*	0	0*	1	999*	0	0*	0
	F	1	0	0*	1	402*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0
	T	3	0		1		0		0		0		0		0		0		1		0		1		0		0
OXFORD	M	18	0	0*	2	78*	0	0*	0	0*	5	164	0	0*	0	0*	0	0*	1	38*	2	188*	1	200*	1	91*	6
	F	16	1	343*	2	79*	0	0*	0	0*	0	0*	2	41*	1	262*	4	201*	0	0*	0	0*	0	0*	1	276*	5
	T	34	1		4		0		0		5		2		1		4		1		2		1		2		11
PALMER	M	32	1	100*	13	228#	0	0*	0	0*	8	120	0	0*	0	0*	0	0*	3	47*	2	84*	0	0*	1	100*	4
	F	32	1	136*	8	134	0	0*	1	111*	2	70*	11	123	0	0*	4	118*	0	0*	0	0*	0	0*	1	107*	4
	T	64	2		21		0		1		10		11		0		4		3		2		0		2		8
PAXTON	M	8	0	0*	2	133*	0	0*	0	0*	1	66*	0	0*	0	0*	0	0*	2	105*	1	156*	0	0*	0	0*	2
	F	10	0	0*	0	0*	0	0*	0	0*	1	95*	5	176	0	0*	2	178*	0	0*	0	0*	0	0*	0	0*	2
	T	18	0		2		0		0		2		5		0		2		2		1		0		0		4

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MASSACHUSETTS DEPARTMENT OF PUBLIC HEALTH CANCER REGISTRY
1983 CANCER INCIDENCE

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PEABODY	M	77	0	0*	11	84	0	0*	3	167*	19	118	0	0*	0	0*	0	0*	15	110	8	148	1	45*	3	122*	17
	F	89	1	61*	11	77	0	0*	9	412#	10	108	27	103	1	41*	13	124	0	0*	3	142*	0	0*	0	0*	14
	T	166	1		22		0		12		29		27		1		13		15		11		1		3		31
PELHAM	M	2	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	1	275*	0	0*	0	0*	1	999*	0
	F	3	0	0*	0	0*	0	0*	0	0*	0	0*	2	217*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	1
	T	5	0		0		0		0		0		2		0		0		1		0		0		1		1
PEMBROKE	M	16	0	0*	3	113*	0	0*	0	0*	6	163	0	0*	0	0*	0	0*	2	84*	3	272*	0	0*	0	0*	2
	F	13	1	577*	0	0*	0	0*	0	0*	1	81*	3	79*	0	0*	1	63*	0	0*	0	0*	1	385*	1	199*	5
	T	29	1		3		0		0		7		3		0		1		2		3		1		1		7
PEPPERELL	M	10	0	0*	1	59*	0	0*	0	0*	2	98*	0	0*	0	0*	0	0*	1	54*	4	598*	0	0*	2	628*	0
	F	15	0	0*	6	254+	0	0*	0	0*	4	277*	3	67*	0	0*	0	0*	0	0*	0	0*	1	353*	1	264*	0
	T	25	0		7		0		0		6		3		0		0		1		4		1		3		0
PERU	M	0	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0
	F	0	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0
	T	0	0		0		0		0		0		0		0		0		0		0		0		0		0
PETERSHAM	M	2	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	1	326*	0	0*	0	0*	0	0*	1
	F	1	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	1	999*	0	0*	0	0*	0	0*	0	0*	0	0*	0
	T	3	0		0		0		0		0		0		1		0		1		0		0		0		1
PHILLIPSTON	M	2	0	0*	0	0*	0	0*	0	0*	1	232*	0	0*	0	0*	0	0*	1	275*	0	0*	0	0*	0	0*	0
	F	0	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0
	T	2	0		0		0		0		1		0		0		0		1		0		0		0		0
PITTSFIELD	M	157	3	63*	32	120	1	95*	2	55*	27	83	0	0*	0	0*	0	0*	35	124	20	181+	4	90*	3	55*	30
	F	122	5	203	27	127	0	0*	5	153	10	77	40	114	1	34*	13	93	0	0*	0	0*	5	200	4	125*	12
	T	279	8		59		1		7		37		40		1		13		35		20		9		7		42
PLAINFIELD	M	0	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0
	F	1	0	0*	0	0*	0	0*	0	0*	0	0*	1	301*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0
	T	1	0		0		0		0		0		1		0		0		0		0		0		0		0
PLAINVILLE	M	8	0	0*	2	146*	0	0*	0	0*	2	111*	0	0*	0	0*	0	0*	3	215*	0	0*	0	0*	0	0*	1
	F	14	0	0*	3	117*	0	0*	0	0*	2	161*	6	165	0	0*	1	67*	0	0*	0	0*	0	0*	0	0*	2
	T	22	0		5		0		0		4		6		0		1		3		0		0		0		3
PLYMOUTH	M	72	1	44*	10	78	1	215*	1	60*	13	94	0	0*	0	0*	0	0*	16	107	3	56*	2	104*	6	262+	19
	F	76	3	194*	9	68	0	0*	3	152*	12	169	18	84	2	94*	10	119	0	0*	3	152*	1	65*	3	130*	12
	T	148	4		19		1		4		25		18		2		10		16		6		3		9		31
PLYMPTON	M	0	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0
	F	3	0	0*	0	0*	0	0*	0	0*	1	273*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	2
	T	3	0		0		0		0		1		0		0		0		0		0		0		0		2

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PRINCETON	M	3	1	999*	0	0*	0	0*	0	0*	1	237*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	1
	F	6	1	696*	1	84*	0	0*	0	0*	0	0*	1	62*	0	0*	2	317*	0	0*	0	0*	0	0*	0	0*	1
	T	9	2		1		0		0		1		1		0		2		0		0		0		0		2
PROVINCETOWN	M	9	0	0*	2	139*	0	0*	0	0*	2	129*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	5
	F	6	0	0*	0	0*	0	0*	0	0*	0	0*	3	173*	0	0*	0	0*	0	0*	2	999*	0	0*	0	0*	1
	T	15	0		2		0		0		2		3		0		0		0		2		0		0		6
QUINCY	M	235	5	70	31	77	4	250*	3	55*	61	126	2	541*	0	0*	0	0*	44	103	14	84	6	90	8	106	57
	F	213	4	86*	39	99	0	0*	6	102	23	111	63	106	3	57*	15	65	0	0*	10	167	3	70*	5	82	42
	T	448	9		70		4		9		84		65		3		15		44		24		9		13		99
RANDOLPH	M	66	1	51*	13	117	0	0*	1	66*	13	98	1	992*	0	0*	0	0*	12	101	2	43*	3	162*	1	47*	19
	F	74	2	132*	17	130	0	0*	2	101*	11	145	22	103	1	57*	10	118	0	0*	3	156*	0	0*	0	0*	6
	T	140	3		30		0		3		24		23		1		10		12		5		3		1		25
RAYNHAM	M	16	3	636*	3	115*	0	0*	0	0*	5	143	0	0*	0	0*	0	0*	2	81*	0	0*	0	0*	0	0*	3
	F	21	0	0*	4	117*	0	0*	1	193*	3	129*	6	97	2	367*	2	80*	0	0*	0	0*	0	0*	0	0*	3
	T	37	3		7		0		1		8		6		2		2		2		0		0		0		6
READING	M	44	2	150*	10	132	0	0*	0	0*	7	81	0	0*	0	0*	0	0*	6	72	3	93*	1	84*	2	140*	13
	F	32	0	0*	7	146	0	0*	0	0*	3	99*	6	64	0	0*	3	81*	0	0*	1	138*	1	158*	2	198*	9
	T	76	2		17		0		0		10		6		0		3		6		4		2		4		22
REHOBOTH	M	7	1	478*	1	88*	0	0*	2	999*	0	0*	0	0*	0	0*	0	0*	1	88*	0	0*	0	0*	0	0*	2
	F	4	0	0*	1	121*	0	0*	0	0*	2	457*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	1
	T	11	1		2		0		2		2		0		0		0		1		0		0		0		3
REVERE	M	100	3	99*	14	82	3	426*	2	87*	24	117	0	0*	0	0*	0	0*	18	101	9	129	1	35*	1	31*	25
	F	86.	3	182*	15	103	0	0*	2	91*	9	101	19	76	2	86*	10	101	0	0*	2	92*	3	174*	2	89*	19
	T	186	6		29		3		4		33		19		2		10		18		11		4		3		44
RICHMOND	M	3	0	0*	1	206*	0	0*	0	0*	1	140*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	1
	F	0	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0
	T	3	0		1		0		0		1		0		0		0		0		0		0		0		1
ROCHESTER	M	4	0	0*	1	144*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	1	137*	1	367*	0	0*	0	0*	1
	F	2	0	0*	0	0*	0	0*	0	0*	1	400*	1	168*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0
	T	6	0		1		0		0		1		1		0		0		1		1		0		0		1
ROCKLAND	M	35	3	282*	6	99	0	0*	1	124*	8	117	0	0*	0	0*	0	0*	6	85	3	118*	1	107*	1	74*	6
	F	23	0	0*	4	91*	0	0*	0	0*	2	97*	10	156	3	529*	0	0*	0	0*	1	156*	0	0*	1	145*	2
	T	58	3		10		0		1		10		10		3		0		6		4		1		2		8
ROCKPORT	M	15	0	0*	1	39*	0	0*	0	0*	3	96*	0	0*	0	0*	0	0*	4	144*	0	0*	3	694*	0	0*	4
	F	27	1	162*	5	101	0	0*	1	135*	2	89*	10	132	1	125*	3	106*	0	0*	0	0*	1	189*	1	126*	2
	T	42	1		6		0		1		5		10		1		3		4		0		4		1		6

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MASSACHUSETTS DEPARTMENT OF PUBLIC HEALTH CANCER REGISTRY
1983 CANCER INCIDENCE

CITY-TOWN	SEX	ALL SITES	ST	PIR	CO RE	PIR	LI	PIR	PA	PIR	LU	PIR	BR	PIR	CE	PIR	UT	PIR	PR	PIR	BL	PIR	KI	PIR	HE RE	PIR	OTHER SITES
ROWE	M	1	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	1	999*	0	0*	0	0*	0
	F	0	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0
	T	1	0		0		0		0		0		0		0		0		0		1		0		0		0
ROWLEY	M	3	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	1	174*	1	458*	0	0*	0	0*	1
	F	7	0	0*	1	101*	0	0*	0	0*	2	245*	3	141*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	1
	T	10	0		1		0		0		2		3		0		0		1		1		0		0		2
ROYALSTON	M	1	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	1	999*	0	0*	0
	F	1	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	1	932*	0	0*	0	0*	0	0*	0	0*	0
	T	2	0		0		0		0		0		0		0		1		0		0		1		0		0
RUSSELL	M	1	0	0*	0	0*	1	999*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0
	F	2	0	0*	1	270*	0	0*	0	0*	0	0*	1	174*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0
	T	3	0		1		1		0		0		1		0		0		0		0		0		0		0
RUTLAND	M	9	0	0*	1	78*	0	0*	0	0*	2	121*	0	0*	0	0*	0	0*	1	80*	0	0*	0	0*	2	367*	3
	F	5	0	0*	0	0*	0	0*	0	0*	1	197*	1	69*	0	0*	2	354*	0	0*	0	0*	1	999*	0	0*	0
	T	14	0		1		0		0		3		1		0		2		1		0		1		2		3
SALEM	M	74	1	45*	11	88	1	201*	1	57*	16	103	0	0*	0	0*	0	0*	14	107	4	78*	0	0*	3	127*	23
	F	89	0	0*	12	75	0	0*	3	125*	10	116	29	118	1	48*	11	113	0	0*	2	83*	5	267	6	204	10
	T	163	1		23		1		4		26		29		1		11		14		6		5		9		33
SALISBURY	M	15	0	0*	3	119*	0	0*	0	0*	9	261#	0	0*	0	0*	0	0*	1	41*	0	0*	0	0*	0	0*	2
	F	15	0	0*	1	37*	0	0*	0	0*	2	139*	4	95*	2	492*	3	185*	0	0*	0	0*	0	0*	0	0*	3
	T	30	0		4		0		0		11		4		2		3		1		0		0		0		5
SANDISFIELD	M	2	0	0*	0	0*	0	0*	0	0*	1	323*	0	0*	0	0*	0	0*	1	465*	0	0*	0	0*	0	0*	0
	F	0	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0
	T	2	0		0		0		0		1		0		0		0		1		0		0		0		0
SANDWICH	M	27	2	244*	5	107	0	0*	1	164*	4	79*	0	0*	0	0*	0	0*	7	127	3	152*	0	0*	0	0*	5
	F	21	0	0*	2	51*	0	0*	0	0*	2	91*	9	154	1	214*	3	130*	0	0*	1	169*	0	0*	0	0*	3
	T	48	2		7		0		1		6		9		1		3		7		4		0		0		8
SAUGUS	M	53	1	63*	7	80	0	0*	2	171*	8	76	0	0*	0	0*	0	0*	6	68	6	164	2	132*	1	57*	20
	F	60	1	89*	15	152	0	0*	0	0*	5	83	16	91	1	56*	10	144	0	0*	1	68*	0	0*	2	130*	9
	T	113	2		22		0		2		13		16		1		10		6		7		2		3		29
SAVOY	M	2	0	0*	0	0*	0	0*	0	0*	1	215*	0	0*	0	0*	0	0*	1	326*	0	0*	0	0*	0	0*	0
	F	2	0	0*	0	0*	0	0*	0	0*	0	0*	2	354*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0
	T	4	0		0		0		0		1		2		0		0		1		0		0		0		0
SCITUATE	M	30	4	458*	7	150	0	0*	0	0*	5	89	0	0*	0	0*	0	0*	1	22*	1	51*	2	226*	2	194*	8
	F	40	1	135*	3	47*	0	0*	2	207*	3	79*	9	78	1	82*	1	22*	0	0*	2	209*	3	373*	4	317*	11
	T	70	5		10		0		2		8		9		1		1		1		3		5		6		19

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1983 CANCER INCIDENCE

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SEEKONK	M	5	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	1	171*	0	0*	0	0*	2	479*	2
	F	4	0	0*	1	135*	0	0*	1	859*	1	252*	1	87*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0
	T	9	0		1		0		1		1		1		0		0		1		0		0		2		2
SHARON	M	22	0	0*	6	182	0	0*	0	0*	7	174	0	0*	0	0*	0	0*	1	31*	1	72*	0	0*	1	101*	6
	F	35	1	176*	3	59*	0	0*	0	0*	1	32*	9	92	2	164*	9	227+	0	0*	0	0*	0	0*	1	75*	9
	T	57	1		9		0		0		8		9		2		9		1		1		0		2		15
SHEFFIELD	M	8	0	0*	1	83*	0	0*	0	0*	1	63*	0	0*	0	0*	0	0*	3	251*	0	0*	1	445*	0	0*	2
	F	4	0	0*	0	0*	0	0*	0	0*	2	519*	1	99*	1	999*	0	0*	0	0*	0	0*	0	0*	0	0*	0
	T	12	0		1		0		0		3		1		1		0		3		0		1		0		2
SHELBURNE	M	9	0	0*	2	127*	0	0*	1	455*	0	0*	0	0*	0	0*	0	0*	3	174*	1	153*	1	400*	0	0*	1
	F	12	0	0*	4	181*	0	0*	0	0*	0	0*	3	89*	0	0*	2	153*	0	0*	0	0*	0	0*	1	294*	2
	T	21	0		6		0		1		0		3		0		2		3		1		1		1		3
SHERBORN	M	2	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	2	999*	0
	F	2	0	0*	0	0*	0	0*	0	0*	0	0*	1	147*	0	0*	1	375*	0	0*	0	0*	0	0*	0	0*	0
	T	4	0		0		0		0		0		1		0		1		0		0		0		2		0
SHIRLEY	M	10	0	0*	1	69*	0	0*	0	0*	2	107*	0	0*	0	0*	0	0*	4	284*	1	161*	0	0*	0	0*	2
	F	8	0	0*	1	77*	0	0*	0	0*	4	443*	0	0*	0	0*	1	102*	0	0*	1	525*	0	0*	0	0*	1
	T	18	0		2		0		0		6		0		0		1		4		2		0		0		3
SHREWSBURY	M	67	3	148*	10	88	0	0*	1	64*	5	36-	0	0*	0	0*	0	0*	16	132	8	170	3	156*	2	93*	19
	F	56	0	0*	11	111	1	642*	0	0*	2	34*	17	106	2	155*	6	95	0	0*	2	132*	2	173*	2	135*	11
	T	123	3		21		1		1		7		17		2		6		16		10		5		4		30
SHUTESBURY	M	1	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	1	373*	0	0*	0	0*	0	0*	0
	F	1	0	0*	0	0*	0	0*	0	0*	0	0*	1	413*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0
	T	2	0		0		0		0		0		1		0		0		1		0		0		0		0
SOMERSET	M	33	4	408*	3	53*	0	0*	0	0*	9	128	0	0*	0	0*	0	0*	4	67*	2	85*	2	216*	1	95*	8
	F	50	2	183*	9	97	1	666*	2	143*	4	80*	15	110	1	96*	4	74*	0	0*	0	0*	0	0*	3	183*	9
	T	83	6		12		1		2		13		15		1		4		4		2		2		4		17
SOMERVILLE	M	148	5	112	33	132	2	195*	2	60*	30	102	0	0*	0	0*	0	0*	24	90	14	135	3	72*	3	60*	32
	F	166	7	198	33	109	0	0*	1	22*	18	109	48	103	5	122	17	93	0	0*	4	87*	2	60*	6	129	25
	T	314	12		66		2		3		48		48		5		17		24		18		5		9		57
SOUTH HADLEY	M	33	0	0*	4	68*	0	0*	2	252*	6	87	1	999*	0	0*	0	0*	8	122	7	283+	0	0*	2	194*	3
	F	50	1	89*	12	131	0	0*	0	0*	7	154	9	63	2	155*	11	202+	0	0*	0	0*	1	97*	0	0*	7
	T	83	1		16		0		2		13		10		2		11		8		7		1		2		10
SOUTHAMPTON	M	5	0	0*	1	117*	0	0*	1	824*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	1	683*	0	0*	2
	F	2	0	0*	0	0*	0	0*	0	0*	0	0*	1	147*	0	0*	0	0*	0	0*	1	999*	0	0*	0	0*	0
	T	7	0		1		0		1		0		1		0		0		0		1		1		0		2

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SOUTHBOROUGH	M	14	0	0*	1	41*	0	0*	0	0*	2	66*	0	0*	0	0*	0	0*	2	75*	2	196*	0	0*	0	0*	7
	F	8	0	0*	0	0*	0	0*	0	0*	0	0*	5	199	0	0*	1	98*	0	0*	0	0*	0	0*	0	0*	2
	T	22	0		1		0		0		2		5		0		1		2		2		0		0		9
SOUTHBRIDGE	M	44	1	77*	9	119	0	0*	2	193*	8	90	0	0*	0	0*	0	0*	11	130	3	95*	1	84*	1	71*	8
	F	33	1	132*	4	63*	0	0*	2	212*	1	31*	15	163	0	0*	1	28*	0	0*	0	0*	1	142*	0	0*	8
	T	77	2		13		0		4		9		15		0		1		11		3		2		1		16
SOUTHWICK	M	3	0	0*	1	218*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	2	999*	0	0*	0	0*	0
	F	6	0	0*	2	219*	0	0*	0	0*	1	160*	0	0*	0	0*	0	0*	0	0*	0	0*	1	712*	0	0*	2
	T	9	0		3		0		0		1		0		0		0		0		2		1		0		2
SPENCER	M	20	1	174*	3	96*	0	0*	0	0*	3	79*	0	0*	0	0*	0	0*	3	97*	1	77*	1	170*	0	0*	8
	F	20	1	223*	5	135	0	0*	0	0*	1	52*	5	97	0	0*	1	48*	0	0*	0	0*	0	0*	0	0*	7
	T	40	2		8		0		0		4		5		0		1		3		1		1		0		15
SPRINGFIELD	M	303	13	142	71	140#	4	189*	7	102	58	94	0	0*	0	0*	0	0*	50	94	21	100	6	69	8	76	65
	F	351	7	94	61	96	1	95*	8	84	23	67	96	99	8	99	42	109	0	0*	10	106	8	108	15	135	72
	T	654	20		132		5		15		81		96		8		42		50		31		14		23		137
STERLING	M	11	0	0*	4	202*	0	0*	0	0*	3	132*	0	0*	0	0*	0	0*	1	45*	0	0*	0	0*	1	292*	2
	F	6	0	0*	2	257*	0	0*	0	0*	0	0*	1	54*	1	375*	1	138*	0	0*	0	0*	0	0*	0	0*	1
	T	17	0		6		0		0		3		1		1		1		1		0		0		1		3
STOCKBRIDGE	M	8	0	0*	1	73*	0	0*	0	0*	3	171*	0	0*	0	0*	0	0*	1	72*	0	0*	1	446*	0	0*	2
	F	7	0	0*	2	150*	0	0*	0	0*	0	0*	2	106*	0	0*	0	0*	0	0*	0	0*	1	708*	1	506*	1
	T	15	0		3		0		0		3		2		0		0		1		0		2		1		3
STONEHAM	M	43	2	154*	11	154	0	0*	1	106*	9	106	0	0*	0	0*	0	0*	4	54*	2	67*	0	0*	2	122*	12
	F	59	3	229*	16	147	0	0*	1	61*	7	125	15	93	2	150*	5	79	0	0*	1	61*	1	81*	0	0*	8
	T	102	5		27		0		2		16		15		2		5		4		3		1		2		20
STOUGHTON	M	67	1	47*	14	120	0	0*	1	69*	15	120	0	0*	0	0*	0	0*	14	110	6	122	2	110*	0	0*	14
	F	59	0	0*	10	102	0	0*	1	66*	14	228#	18	106	2	139*	6	87	0	0*	0	0*	1	80*	1	58*	6
	T	126	1		24		0		2		29		18		2		6		14		6		3		1		20
STOW	M	6	1	691*	1	136*	0	0*	2	999*	0	0*	0	0*	0	0*	0	0*	1	177*	0	0*	0	0*	0	0*	1
	F	4	0	0*	1	216*	0	0*	0	0*	0	0*	2	157*	0	0*	0	0*	0	0*	0	0*	1	999*	0	0*	0
	T	10	1		2		0		2		0		2		0		0		1		0		1		0		1
STURBRIDGE	M	9	0	0*	0	0*	0	0*	1	532*	0	0*	0	0*	0	0*	0	0*	2	107*	3	454*	0	0*	1	329*	2
	F	13	0	0*	2	108*	0	0*	1	351*	3	209*	4	103*	0	0*	0	0*	0	0*	0	0*	1	444*	0	0*	2
	T	22	0		2		0		2		3		4		0		0		2		3		1		1		4
SUDBURY	M	21	1	174*	3	97*	0	0*	0	0*	3	73*	1	999*	0	0*	0	0*	4	143*	0	0*	2	325*	2	209*	5
	F	28	0	0*	4	103*	0	0*	0	0*	0	0*	11	127	0	0*	3	86*	0	0*	2	344*	0	0*	2	327*	6
	T	49	1		7		0		0		3		12		0		3		4		2		2		4		11

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MASSACHUSETTS DEPARTMENT OF PUBLIC HEALTH CANCER REGISTRY
1983 CANCER INCIDENCE

CITY-TOWN	SEX	ALL SITES	ST	PIR	CO RE	PIR	LI	PIR	PA	PIR	LU	PIR	BR	PIR	CE	PIR	UT	PIR	PR	PIR	BL	PIR	KI	PIR	HE RE	PIR	OTHER SITES
SUNDERLAND	M	3	0	0*	1	185*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	1	158*	0	0*	0	0*	1	999*	0
	F	2	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	1	999*	0	0*	0	0*	0	0*	0	0*	1	999*	0
	T	5	0		1		0		0		0		0		1		0		1		0		0		2		0
SUTTON	M	4	0	0*	1	148*	0	0*	0	0*	1	112*	0	0*	0	0*	0	0*	1	149*	0	0*	1	857*	0	0*	0
	F	10	0	0*	2	97*	0	0*	0	0*	0	0*	2	87*	0	0*	2	214*	0	0*	0	0*	2	832*	1	180*	1
	T	14	0		3		0		0		1		2		0		2		1		0		3		1		1
SWAMPSCOTT	M	27	2	241*	6	129	0	0*	1	159*	3	51*	0	0*	0	0*	0	0*	6	128	2	102*	2	261*	0	0*	5
	F	36	0	0*	7	117	1	949*	1	109*	4	98*	11	110	0	0*	4	96*	0	0*	1	109*	0	0*	2	177*	5
	T	63	2		13		1		2		7		11		0		4		6		3		2		2		10
SWANSEA	M	26	3	389*	4	92*	0	0*	0	0*	6	117	0	0*	0	0*	0	0*	4	86*	0	0*	0	0*	2	185*	7
	F	24	0	0*	3	72*	0	0*	1	158*	2	79*	4	58*	2	349*	1	36*	0	0*	0	0*	1	200*	2	318*	8
	T	50	3		7		0		1		8		4		2		1		4		0		1		4		15
TAUNTON	M	97	6	199	16	93	0	0*	3	135*	21	111	0	0*	0	0*	0	0*	16	83	8	110	2	77*	4	129*	21
	F	86	3	160*	21	133	0	0*	4	169*	6	73	21	88	0	0*	11	118	0	0*	1	42*	4	223*	2	75*	13
	T	183	9		37		0		7		27		21		0		11		16		9		6		6		34
TEMPLETON	M	14	0	0*	1	43*	0	0*	1	309*	0	0*	0	0*	0	0*	0	0*	2	81*	3	304*	1	256*	4	883*	2
	F	10	0	0*	2	124*	0	0*	1	400*	0	0*	3	103*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	4
	T	24	0		3		0		2		0		3		0		0		2		3		1		4		6
TEWKSBURY	M	35	1	93*	4	66*	0	0*	1	121*	8	110	0	0*	0	0*	0	0*	7	106	3	118*	1	102*	2	181*	8
	F	33	0	0*	10	189	0	0*	0	0*	8	229+	11	118	0	0*	0	0*	0	0*	1	123*	0	0*	0	0*	3
	T	68	1		14		0		1		16		11		0		0		7		4		1		2		11
TISBURY	M	6	0	0*	1	112*	0	0*	0	0*	1	78*	0	0*	0	0*	0	0*	2	281*	0	0*	0	0*	0	0*	2
	F	7	0	0*	2	127*	0	0*	1	416*	0	0*	2	114*	0	0*	1	152*	0	0*	0	0*	0	0*	0	0*	1
	T	13	0		3		0		1		1		2		0		1		2		0		0		0		3
TOLLAND	M	1	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	1	999*	0	0*	0
	F	1	0	0*	0	0*	0	0*	0	0*	0	0*	1	301*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0
	T	2	0		0		0		0		0		1		0		0		0		0		1		0		0
TOPSFIELD	M	6	0	0*	1	95*	0	0*	1	682*	1	77*	0	0*	0	0*	0	0*	1	87*	0	0*	1	599*	0	0*	1
	F	11	0	0*	3	198*	0	0*	0	0*	1	81*	2	57*	0	0*	2	141*	0	0*	2	913*	0	0*	0	0*	1
	T	17	0		4		0		1		2		2		0		2		1		2		1		0		2
TOWNSEND	M	9	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	2	108*	2	303*	0	0*	2	378*	3
	F	10	0	0*	1	60*	0	0*	1	385*	0	0*	4	137*	1	369*	3	259*	0	0*	0	0*	0	0*	0	0*	0
	T	19	0		1		0		1		0		4		1		3		2		2		0		2		3
TRURO	M	3	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	1	193*	0	0*	1	999*	0	0*	1
	F	9	0	0*	1	56*	0	0*	0	0*	1	109*	3	123*	0	0*	1	105*	0	0*	0	0*	0	0*	1	370*	2
	T	12	0		1		0		0		1		3		0		1		1		0		1		1		3

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TYNGSBOROUGH	M	9	0	0*	2	143*	0	0*	0	0*	3	176*	0	0*	0	0*	0	0*	1	76*	0	0*	0	0*	0	0*	3
	F	4	0	0*	2	265*	0	0*	0	0*	1	226*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	1
	T	13	0		4		0		0		4		0		0		0		1		0		0		0		4
TYRINGHAM	M	2	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	1	326*	1	750*	0	0*	0	0*	0
	F	1	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	1
	T	3	0		0		0		0		0		0		0		0		1		1		0		0		1
UPTON	M	8	0	0*	4	295*	0	0*	0	0*	1	56*	0	0*	0	0*	0	0*	1	75*	1	177*	0	0*	0	0*	1
	F	12	0	0*	1	44*	0	0*	1	299*	1	83*	4	118*	0	0*	1	75*	0	0*	0	0*	1	383*	1	295*	2
	T	20	0		5		0		1		2		4		0		1		1		1		1		1		3
UXBRIDGE	M	18	0	0*	5	164	0	0*	0	0*	1	27*	1	999*	0	0*	0	0*	7	221	1	80*	0	0*	0	0*	3
	F	13	0	0*	3	118*	0	0*	0	0*	1	80*	4	113*	0	0*	0	0*	0	0*	1	257*	0	0*	0	0*	4
	T	31	0		8		0		0		2		5		0		0		7		2		0		0		7
WAKEFIELD	M	53	2	127*	13	148	0	0*	2	170*	10	98	1	999*	0	0*	0	0*	8	83	1	28*	2	135*	4	182*	10
	F	64	2	169*	9	88	0	0*	2	127*	4	62*	22	121	0	0*	7	95	0	0*	2	130*	2	152*	3	146*	11
	T	117	4		22		0		4		14		23		0		7		8		3		4		7		21
WALES	M	0	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0
	F	2	0	0*	0	0*	0	0*	0	0*	0	0*	1	147*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	1
	T	2	0		0		0		0		0		1		0		0		0		0		0		0		1
WALPOLE	M	35	2	201*	5	91	1	401*	0	0*	13	180+	0	0*	0	0*	0	0*	6	112	2	87*	1	98*	1	72*	4
	F	25	1	212*	0	0*	0	0*	0	0*	7	280+	8	108	1	135*	2	68*	0	0*	3	499*	0	0*	1	159*	2
	T	60	3		5		1		0		20		8		1		2		6		5		1		2		6
WALTHAM	M	120	7	201	16	82	2	245*	1	37*	21	87	0	0*	0	0*	0	0*	25	124	8	98	4	118*	4	86*	32
	F	145	4	136*	30	119	0	0*	2	53*	20	138	35	84	1	27*	15	91	0	0*	4	107*	2	67*	3	73*	29
	T	265	11		46		2		3		41		35		1		15		25		12		6		7		61
WARE	M	25	0	0*	4	93*	1	596*	2	339*	2	38*	0	0*	0	0*	0	0*	5	110	5	284+	1	139*	0	0*	5
	F	31	1	126*	6	94	0	0*	0	0*	1	36*	9	108	0	0*	7	221	0	0*	0	0*	1	150*	0	0*	6
	T	56	1		10		1		2		3		9		0		7		5		5		2		0		11
WAREHAM	M	30	0	0*	7	142	0	0*	0	0*	8	124	0	0*	0	0*	0	0*	4	84*	0	0*	2	219*	2	206*	7
	F	36	0	0*	6	81	0	0*	3	271*	0	0*	7	73	0	0*	6	163	0	0*	0	0*	1	132*	1	90*	12
	T	66	0		13		0		3		8		7		0		6		4		0		3		3		19
WARREN	M	5	0	0*	1	118*	0	0*	0	0*	1	87*	0	0*	0	0*	0	0*	0	0*	1	298*	0	0*	0	0*	2
	F	7	0	0*	3	261*	0	0*	0	0*	0	0*	3	178*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	1
	T	12	0		4		0		0		1		3		0		0		0		1		0		0		3
WARWICK	M	2	0	0*	1	269*	0	0*	0	0*	1	252*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0
	F	0	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0
	T	2	0		1		0		0		1		0		0		0		0		0		0		0		0

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WASHINGTON	M	1	0	0*	0	0*	0	0*	0	0*	1	554*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0
	F	0	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0
	T	1	0		0		0		0		1		0		0		0		0		0		0		0		0
WATERTOWN	M	79	1	41*	13	95	1	196*	1	54*	25	152+	0	0*	0	0*	0	0*	13	87	6	106	0	0*	6	220	13
	F	97	0	0*	22	123	0	0*	2	75*	12	130	29	108	2	87*	7	66	0	0*	3	113*	1	49*	0	0*	19
	T	176	1		35		1		3		37		29		2		7		13		9		1		6		32
WAYLAND	M	24	1	135*	9	217+	0	0*	0	0*	2	38*	0	0*	0	0*	0	0*	3	70*	2	118*	2	283*	1	133*	4
	F	21	0	0*	4	108*	0	0*	1	179*	1	52*	6	100	0	0*	1	43*	0	0*	0	0*	0	0*	1	172*	7
	T	45	1		13		0		1		3		6		0		1		3		2		2		2		11
WEBSTER	M	33	1	102*	2	35*	0	0*	2	254*	7	102	0	0*	0	0*	0	0*	7	113	1	43*	3	320*	1	96*	9
	F	38	1	139*	6	95	0	0*	3	314*	6	156	7	65	0	0*	8	184	0	0*	0	0*	1	126*	2	165*	4
	T	71	2		8		0		5		13		7		0		8		7		1		4		3		13
WELLESLEY	M	48	1	68*	5	63	1	268*	2	192*	8	84	0	0*	0	0*	0	0*	13	162	2	60*	2	144*	1	63*	13
	F	77	1	60*	15	106	0	0*	1	48*	1	13*	25	114	1	55*	7	82	0	0*	2	98*	4	246*	3	139*	17
	T	125	2		20		1		3		9		25		1		7		13		4		6		4		30
WELLFLEET	M	6	0	0*	0	0*	0	0*	0	0*	3	239*	0	0*	0	0*	0	0*	1	83*	0	0*	0	0*	0	0*	2
	F	9	0	0*	0	0*	0	0*	1	361*	3	347*	3	124*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	2
	T	15	0		0		0		1		6		3		0		0		1		0		0		0		4
WENDELL	M	0	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0
	F	0	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0
	T	0	0		0		0		0		0		0		0		0		0		0		0		0		0
WENHAM	M	5	0	0*	0	0*	0	0*	0	0*	3	288*	0	0*	0	0*	0	0*	1	95*	0	0*	0	0*	0	0*	1
	F	5	0	0*	1	119*	0	0*	0	0*	2	584*	1	70*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	1
	T	10	0		1		0		0		5		1		0		0		1		0		0		0		2
WEST BOYLSTON	M	18	0	0*	4	137*	0	0*	0	0*	1	27*	0	0*	0	0*	0	0*	3	103*	1	85*	1	185*	2	341*	6
	F	13	0	0*	4	208*	0	0*	0	0*	0	0*	5	128	1	268*	0	0*	0	0*	0	0*	0	0*	0	0*	3
	T	31	0		8		0		0		1		5		1		0		3		1		1		2		9
WEST BRIDGEWATER	M	10	0	0*	1	54*	0	0*	0	0*	1	49*	0	0*	0	0*	0	0*	2	91*	3	400*	0	0*	0	0*	3
	F	18	0	0*	4	136*	0	0*	0	0*	0	0*	6	112	2	427*	2	93*	0	0*	2	460*	0	0*	1	227*	1
	T	28	0		5		0		0		1		6		2		2		2		5		0		1		4
WEST BROOKFIELD	M	4	2	999*	2	278*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0
	F	6	0	0*	1	76*	0	0*	0	0*	1	188*	1	64*	1	999*	0	0*	0	0*	0	0*	0	0*	0	0*	2
	T	10	2		3		0		0		1		1		1		0		0		0		0		0		2
WEST NEWBURY	M	3	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	1	218*	0	0*	0	0*	0	0*	2
	F	6	0	0*	1	117*	0	0*	0	0*	1	156*	3	162*	0	0*	0	0*	0	0*	0	0*	1	872*	0	0*	0
	T	9	0		1		0		0		1		3		0		0		1		0		1		0		2

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WEST SPRINGFIELD	M	51	3	191*	5	58	0	0*	0	0*	14	137	0	0*	0	0*	0	0*	8	90	6	167	2	137*	2	120*	11
	F	53	2	161*	15	145	0	0*	4	260*	2	40*	10	69	0	0*	9	162	0	0*	1	64*	0	0*	2	126*	8
	T	104	5		20		0		4		16		10		0		9		8		7		2		4		19
WEST STOCKBRIDGE	M	1	0	0*	1	655*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0
	F	2	0	0*	0	0*	0	0*	0	0*	0	0*	1	294*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	1
	T	3	0		1		0		0		0		1		0		0		0		0		0		0		1
WEST TISBURY	M	2	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	2	346*	0	0*	0	0*	0	0*	0
	F	0	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0
	T	2	0		0		0		0		0		0		0		0		2		0		0		0		0
WESTBOROUGH	M	22	0	0*	4	110*	0	0*	0	0*	5	119	0	0*	0	0*	0	0*	3	80*	3	194*	0	0*	1	104*	6
	F	23	2	514*	5	149	0	0*	0	0*	0	0*	11	156	0	0*	2	73*	0	0*	0	0*	1	231*	1	185*	1
	T	45	2		9		0		0		5		11		0		2		3		3		1		2		7
WESTFIELD	M	47	0	0*	9	116	0	0*	2	183*	10	100	0	0*	0	0*	0	0*	7	90	4	125*	0	0*	1	66*	14
	F	49	0	0*	7	79	0	0*	1	75*	6	119	12	87	1	87*	6	110	0	0*	3	224*	0	0*	3	224*	10
	T	96	0		16		0		3		16		12		1		6		7		7		0		4		24
WESTFORD	M	16	0	0*	3	124*	1	718*	0	0*	1	32*	0	0*	0	0*	0	0*	0	0*	3	290*	0	0*	2	361*	6
	F	17	0	0*	5	170	0	0*	1	232*	1	71*	5	112	0	0*	1	57*	0	0*	0	0*	0	0*	0	0*	4
	T	33	0		8		1		1		2		5		0		1		0		3		0		2		10
WESTHAMPTON	M	0	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0
	F	0	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0
	T	0	0		0		0		0		0		0		0		0		0		0		0		0		0
WESTMINSTER	M	6	1	549*	2	200*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	1	109*	0	0*	0	0*	0	0*	2
	F	5	0	0*	1	139*	0	0*	1	936*	2	398*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	1
	T	11	1		3		0		1		2		0		0		0		1		0		0		0		3
WESTON	M	23	3	425*	5	120	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	3	61*	4	230*	1	164*	2	281*	5
	F	28	0	0*	7	137	1	999*	2	263*	0	0*	6	75	0	0*	3	96*	0	0*	1	135*	0	0*	0	0*	8
	T	51	3		12		1		2		0		6		0		3		3		5		1		2		13
WESTPORT	M	32	2	216*	7	131	0	0*	2	271*	5	79	0	0*	0	0*	0	0*	4	67*	1	46*	1	113*	1	79*	9
	F	23	0	0*	9	251#	0	0*	0	0*	0	0*	6	87	2	279*	2	73*	0	0*	0	0*	1	222*	1	179*	2
	T	55	2		16		0		2		5		6		2		2		4		1		2		2		11
WESTWOOD	M	29	1	116*	5	104	0	0*	1	151*	2	34*	0	0*	0	0*	0	0*	8	158	2	101*	1	119*	2	212*	7
	F	33	0	0*	9	190	0	0*	1	144*	1	36*	9	92	0	0*	5	131	0	0*	0	0*	0	0*	0	0*	8
	T	62	1		14		0		2		3		9		0		5		8		2		1		2		15
WEYMOUTH	M	126	4	106*	24	114	2	221*	3	106*	28	111	1	500*	0	0*	0	0*	17	77	10	113	6	168	4	97*	27
	F	109	2	93*	25	134	0	0*	7	252+	7	67	27	86	3	97*	11	90	0	0*	2	73*	4	181*	3	95*	18
	T	235	6		49		2		10		35		28		3		11		17		12		10		7		45

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MASSACHUSETTS DEPARTMENT OF PUBLIC HEALTH CANCER REGISTRY
1983 CANCER INCIDENCE

CITY-TOWN	SEX	ALL SITES	ST	PIR	CO RE	PIR	LI	PIR	PA	PIR	LU	PIR	BR	PIR	CE	PIR	UT	PIR	PR	PIR	BL	PIR	KI	PIR	HE RE	PIR	OTHER SITES
WHATELY	M	4	0	0*	2	273*	0	0*	0	0*	1	121*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	1
	F	2	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	1	403*	0	0*	1	999*	0	0*	0	0*	0
	T	6	0		2		0		0		1		0		0		1		0		1		0		0		1
WHITMAN	M	17	0	0*	1	34*	0	0*	0	0*	6	186	0	0*	0	0*	0	0*	5	144	0	0*	0	0*	4	517*	1
	F	21	0	0*	3	84*	0	0*	1	189*	3	150*	6	98	0	0*	4	169*	0	0*	0	0*	0	0*	2	355*	2
	T	38	0		4		0		1		9		6		0		4		5		0		0		6		3
WILBRAHAM	M	31	2	216*	5	96	0	0*	2	292*	5	85	0	0*	0	0*	0	0*	7	121	1	45*	2	241*	0	0*	7
	F	20	0	0*	3	93*	0	0*	0	0*	5	220	4	67*	0	0*	1	41*	0	0*	1	215*	0	0*	0	0*	6
	T	51	2		8		0		2		10		4		0		1		7		2		2		0		13
WILLIAMSBURG	M	6	0	0*	1	97*	0	0*	1	797*	1	100*	0	0*	0	0*	0	0*	0	0*	1	222*	0	0*	0	0*	2
	F	1	0	0*	1	346*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0
	T	7	0		2		0		1		1		0		0		0		0		1		0		0		2
WILLIAMSTOWN	M	11	1	289*	0	0*	0	0*	1	378*	2	87*	0	0*	0	0*	0	0*	3	137*	0	0*	0	0*	0	0*	4
	F	20	0	0*	4	94*	0	0*	0	0*	0	0*	8	154	0	0*	2	100*	0	0*	0	0*	0	0*	1	154*	5
	T	31	1		4		0		1		2		8		0		2		3		0		0		1		9
WILMINGTON	M	47	4	294*	8	106	0	0*	4	385*	9	94	0	0*	0	0*	0	0*	4	54*	1	32*	0	0*	0	0*	17
	F	27	2	446*	1	25*	0	0*	0	0*	4	139*	5	61	1	114*	6	182	0	0*	0	0*	2	383*	0	0*	6
	T	74	6		9		0		4		13		5		1		6		4		1		2		0		23
WINCHENDON	M	20	0	0*	8	239+	0	0*	1	225*	2	50*	0	0*	0	0*	0	0*	3	86*	0	0*	1	174*	0	0*	5
	F	18	0	0*	6	188	0	0*	0	0*	1	59*	4	79*	1	191*	2	103*	0	0*	1	202*	0	0*	1	198*	2
	T	38	0		14		0		1		3		4		1		2		3		1		1		1		7
WINCHESTER	M	44	5	405#	5	72	1	348*	2	208*	5	58	0	0*	0	0*	0	0*	4	55*	2	68*	3	246*	1	52*	16
	F	50	0	0*	8	96	0	0*	4	317*	4	84*	19	129	1	67*	6	105	0	0*	1	81*	0	0*	1	76*	6
	T	94	5		13		1		6		9		19		1		6		4		3		3		2		22
WINDSOR	M	0	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0
	F	0	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0
	T	0	0		0		0		0		0		0		0		0		0		0		0		0		0
WINTHROP	M	48	0	0*	9	108	0	0*	0	0*	9	89	0	0*	0	0*	0	0*	12	136	4	115*	2	148*	1	66*	11
	F	50	2	191*	12	134	1	677*	0	0*	1	20*	16	114	1	78*	6	109	0	0*	1	73*	0	0*	4	290*	6
	T	98	2		21		1		0		10		16		1		6		12		5		2		5		17
WOBURN	M	71	3	141*	8	68	1	207*	1	62*	20	133	0	0*	0	0*	0	0*	11	93	9	184	1	49*	2	73*	15
	F	71	1	74*	16	135	0	0*	1	56*	9	125	15	74	0	0*	7	86	0	0*	0	0*	3	208*	2	97*	17
	T	142	4		24		1		2		29		15		0		7		11		9		4		4		32
WORCESTER	M	418	17	134	73	101	4	149*	11	113	75	89	1	156*	0	0*	0	0*	79	99	33	110	7	61	13	90	105
	F	423	8	87	63	81	3	240*	14	119	41	99	113	96	11	115	45	97	0	0*	14	120	6	68	15	118	90
	T	841	25		136		7		25		116		114		11		45		79		47		13		28		195

NOTE: PIR REPRESENTS PPOPORTIONAL INCIDENCE RATIO (OBSERVED/EXPECTED) X 100; PIR OF 999 = PIR > 1000;
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MASSACHUSETTS DEPARTMENT OF PUBLIC HEALTH CANCER REGISTRY
1983 CANCER INCIDENCE

CITY-TOWN	SEX	ALL SITES	ST	PIR	CO RE	PIR	LI	PIR	PA	PIR	LU	PIR	BR	PIR	CE	PIR	UT	PIR	PR	PIR	BL	PIR	KI	PIR	HE RE	PIR	OTHER SITES
WORTHINGTON	M	1	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	1	474*	0	0*	0	0*	0	0*	0
	F	2	0	0*	1	270*	0	0*	0	0*	0	0*	0	0*	1	999*	0	0*	0	0*	0	0*	0	0*	0	0*	0
	T	3	0		1		0		0		0		0		1		0		1		0		0		0		0
WRENTHAM	M	17	0	0*	1	37*	0	0*	0	0*	4	114*	0	0*	0	0*	0	0*	6	231	1	88*	0	0*	2	354*	3
	F	18	2	420*	8	207	0	0*	1	175*	0	0*	2	42*	2	693*	0	0*	0	0*	1	174*	1	255*	1	170*	0
	T	35	2		9		0		1		4		2		2		0		6		2		1		3		3
YARMOUTH	M	101	3	96*	17	92	0	0*	2	83*	8	41-	0	0*	0	0*	0	0*	31	139	12	154	4	155*	2	63*	22
	F	66	0	0*	20	154	0	0*	5	260	6	94	15	83	1	75*	7	100	0	0*	2	104*	0	0*	3	152*	7
	T	167	3		37		0		7		14		15		1		7		31		14		4		5		29

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MASSACHUSETTS DEPARTMENT OF PUBLIC HEALTH CANCER REGISTRY
1983 CANCER INCIDENCE

HSA TOTALS

HSA	SEX	ALL SITES	ST	PIR	CO RE	PIR	LI	PIR	PA	PIR	LU	PIR	BR	PIR	CE	PIR	UT	PIR	PR	PIR	BL	PIR	KI	PIR	HE RE	PIR	OTHER SITES
I	M	1636	46	93	295	107	10	89	41	109	325	97	1	39*	0	0*	0	0*	316	109	137	120+	46	98	51	90	368
	F	1711	42	116	315	102	2	39*	35	76	136	81-	488	102	44	110	217	115+	0	0*	46	100	38	106	55	103	293
	T	3347	88		610		12		76		461		489		44		217		316		183		84		106		661
II	M	1382	46	111	243	104	8	87	33	104	253	90	3	141*	0	0*	0	0*	260	105	108	111	33	85	55	114	340
	F	1392	24	85	225	93	5	122	34	93	127	91	394	100	36	103	152	97	0	0*	38	104	32	112	42	102	283
	T	2774	70		468		13		67		380		397		36		152		260		146		65		97		623
III	M	878	27	103	139	95	7	115	15	76	198	111	0	0*	0	0*	0	0*	115	76=	69	114	22	88	34	107	252
	F	891	25	140	141	92	6	232	27	116	98	109	256	100	24	103	122	121+	0	0*	25	109	15	83	23	92	129
	T	1769	52		280		13		42		296		256		24		122		115		94		37		57		381
IV	M	4172	117	94	669	96	41	140+	98	104	834	99	9	137	0	0*	0	0*	734	101	275	95	121	102	144	99	1130
	F	4553	99	107	798	101	14	103	122	102	438	99	1284	99	109	90	471	93	0	0*	128	108	86	93	132	99	872
	T	8725	216		1467		55		220		1272		1293		109		471		734		403		207		276		2002
V	M	2222	77	114	384	100	7	48	41	80	474	107	1	29*	0	0*	0	0*	431	103	136	85	64	104	77	100	530
	F	2128	28	63-	386	102	4	63*	61	107	219	105	608	101	66	123	229	97	0	0*	50	88	47	108	76	123	354
	T	4350	105		770		11		102		693		609		66		229		431		186		111		153		884
VI	M	1245	34	91	214	102	6	71	34	120	257	101	3	155*	0	0*	0	0*	201	90	85	97	40	114	42	96	329
	F	1480	31	105	263	104	5	115	42	109	182	122#	412	98	32	83	166	99	0	0*	32	84	31	103	29	68-	255
	T	2725	65		477		11		76		439		415		32		166		201		117		71		71		584

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STATEWIDE TOTALS

SEX	AGES	ALL SITES	ST	CO RE	LI	PA	LU	BR	CE	UT	PR	BL	KI	HE RE	OTHER SITES
MALES	00-19	129	1	1	0	0	2	0	0	0	1	1	2	36	85
	20-44	686	13	52	10	6	64	0	0	0	3	23	23	31	461
	45-64	3699	109	565	33	83	924	10	0	0	353	236	123	123	1140
	65-74	3741	117	674	21	96	809	3	0	0	789	260	111	112	749
	75-84	2537	75	487	9	64	458	4	0	0	680	216	52	77	415
	85+	750	32	167	6	14	84	1	0	0	232	74	15	24	101
FEMALES	00-19	121	0	3	1	0	1	1	0	10	0	0	5	30	70
	20-44	1087	4	51	4	8	71	378	98	137	0	11	9	18	298
	45-64	3928	47	477	9	78	502	1305	117	553	0	65	84	66	625
	65-74	3346	69	642	10	97	409	880	58	359	0	104	65	96	557
	75-84	2635	92	655	8	101	186	638	24	222	0	101	60	98	450
	85+	1039	37	300	4	37	31	241	14	76	0	38	26	49	186

APPENDIX I

The Commonwealth of Massachusetts

Department of Public Health

Cancer Registry

Check if:

☐ Addition

☐ Deletion

HOSPITAL NAME	CODE	DATE OF DIAGNOSIS M M D D Y Y	HOSPITAL RECORD NUMBER

LAST NAME	FIRST NAME	M.I.	SEX	RACE

MAIDEN NAME (IF APPLIC.)	STREET ADDRESS	CITY/TOWN NAME	STATE

ZIP CODE	BIRTHDATE M M D D Y Y	AGE	BIRTH STATE	SMOK. ST.	PRIMARY SITE	HISTOLOGY	STAGE
–							

SEQ. NO.	CONF.	PLACE DX.	VIT. ST.	RESEARCH	USUAL OCCUPATION:	DO NOT FILL IN. DPH USE ONLY.

NOTE: Ch. 111, s. 111B of the Massachusetts General Laws requires hospitals to report the above information. The following codes are to be used for certain of the responses. Refer to detailed instructions for further explanation.

SEX

M = Male
F = Female
U = Unknown

STATE

Use two-letter postal abbreviation. If from outside U.S., see instructions.

ZIP CODE

Use nine-digit postal Zip Code, if available. If not, code five digits to left of dash.

RACE/ETHNIC GROUP

0 = Caucasian of Spanish origin or surname
1 = Caucasian, not otherwise specified
2 = Black, including Haitian and Cape Verdean
3 = American Indian or Alaskan native
4 = Chinese
5 = Japanese
6 = Other Asian or Pacific Islander
7 = Other non-white
9 = Unknown race or ethnic group

PRIMARY SITE

Use the first block to code the classification system used (9 = ICD-9, 0 = ICD-O, etc.). See instructions for details.

AGE

Give two-digit age at last birthday. Code 01, 02, etc., if under 10 years. If 98 or older, code 98; if unknown, code 99.

HISTOLOGY

Use the first block to code the histologic system used (P = SNOP, M = SNOMED, etc.). See instructions for details.

SMOK. ST.
(Smoking Status)

0 = Never smoked cigarettes
1 = Former cigarette smoker
2 = Cigarette smoker at time of diagnosis
9 = Smoking status unknown

STAGE

Use the first block to code the staging system used on this patient (J = Am. Joint Commission, T = TNM, S = SEER, etc.). See instructions for details.

SEQ. NO.
(Sequence of Diagnosis)

1 = First primary tumor
2 = Second . . . up to
8 = Eighth or more
9 = Unspecified

CONF.
(Confirmation Method)

1 = Positive Histology
2 = Positive exfoliative cytology in the absence of positive histology
3 = Positive microscopic confirmation, not otherwise specified
4 = Diagnosis made at autopsy
5 = Direct clinical visualization without microscopic confirmation
6 = Radiography without microscopic confirmation
7 = Clinical diagnosis other than #5 or #6
9 = Unknown or unspecified whether microscopic confirmation was obtained

PLACE DX.
(Place of Diagnosis)

1 = Diagnosis made at your facility (see #6, also)
2 = Diagnosis made at another Massachusetts hospital
3 = Diagnosis made in Massachusetts but not in a hospital (includes private offices)
4 = Diagnosis made in a hospital outside of Massachusetts
5 = Diagnosis made outside of Massachusetts but not in a hospital
6 = Diagnosis made at autopsy (if both #1 and #6 are true, code #6)

VIT. ST.
(Vital Status)

1 = Patient living
2 = Patient deceased

RESEARCH

Use two right-hand columns only. If you do not wish to use this option, leave blank.

Please use other side for additional clinical and diagnostic notes, as appropriate.

APPENDIX II

In calculating a standardized Proportional Incidence Ratio (PIR), the expected number of cases of particular types of cancer in a town are computed on the basis of the proportion (percentage) of that cancer in the State population. These expected numbers are age-, sex-, and time-specific; in this case, we are comparing the town to the State for 1983 only, but we could sum more than one year. The total number of cancers expected is divided into the total number observed:

$$PIR = \frac{\text{Observed}}{\text{Expected}} \times 100.$$

The following example illustrates the method for an hypothetical town for one type of cancer:

	TOWN X	STATE		
AGE GROUP	ALL 1983 CANCER CASES (1)	CANCER TYPE AS PROPORTION OF ALL 1983 CASES (2)	EXPECTED NEW CASES OF THIS TYPE IN TOWN X (3)=(1)X(2)	ACTUAL NEW CASES OF THIS TYPE IN TOWN X (4)
0-19	3	.01	0.0	0
20-44	9	.07	0.6	1
45-64	15	.11	1.7	3
65-74	25	.15	3.8	4
75-84	15	.20	3.0	3
85+	7	.15	1.1	0
			10.2	11.0

$$PIR = \frac{\text{Actual cases}}{\text{Expected cases}} \times 100 = \frac{11}{10.2} \times 100 = 108$$

Significance testing is by the usual Chi-square method.

Reference: Monson, Richard R. Occupational Epidemiology, (CRC Press, Boca Raton, Fla.), 1980.

APPENDIX III

MASSACHUSETTS CANCER REGISTRY ADVISORY COMMITTEE

Howard Ulfelder, M.D., Chairman
Cox Cancer Center
Massachusetts General Hospital

Senator Louis Bertonazzi
Massachusetts Senate

Anthony Cortese, Sc.D., Commissioner
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Barbara Fegan, past President
League of Women Voters

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Department of Community Health
Tufts University Medical School

Nancy Gutensohn, Sc.D.
Harvard School of Public Health

Appendix IV

Abington	13,517	Cambridge	95,322
Acton	17,544	Canton	18,182
Acushnet	8,704	Carlisle	3,306
Adams	10,381	Carver	6,988
Agawam	26,271	Charlemont	1,149
Alford	394	Charlton	6,719
Amesbury	13,971	Chatham	6,071
Amherst	33,229	Chelmsford	31,174
Andover	26,370	Chelsea	25,431
Arlington	48,219	Cheshire	3,124
Ashburnham	4,075	Chester	1,123
Ashby	2,311	Chesterfield	1,000
Ashfield	1,458	Chicopee	55,112
Ashland	9,165	Chilmark	489
Athol	10,634	Clarksburg	1,871
Attleboro	34,196	Clinton	12,771
Auburn	14,845	Cohasset	7,174
Avon	5,026	Colrain	1,552
Ayer	6,993	Concord	16,293
Barnstable	30,898	Conway	1,213
Barre	4,102	Cunningham	657
Becket	1,339	Dalton	6,797
Bedford	13,067	Danvers	24,100
Belchertown	8,339	Dartmouth	23,966
Bellingham	14,300	Dedham	25,298
Belmont	26,100	Deerfield	4,517
Berkley	2,731	Dennis	12,360
Berlin	2,215	Dighton	5,352
Bernardston	1,750	Douglas	3,730
Beverly	37,655	Dover	4,703
Billerica	36,727	Dracut	21,249
Blackstone	6,570	Dudley	8,717
Blandford	1,038	Dunstable	1,671
Bolton	2,530	Duxbury	11,807
Boston	562,994	East Bridgewater	9,945
Bourne	13,874	East Brookfield	1,955
Boxborough	3,126	East Longmeadow	12,905
Boxford	5,374	Eastham	3,472
Boylston	3,470	Easthampton	15,580
Braintree	36,337	Easton	16,623
Brewster	5,226	Edgartown	2,204
Bridgewater	17,202	Egremont	1,311
Brimfield	2,318	Erving	1,326
Brockton	95,172	Essex	2,998
Brookfield	2,397	Everett	37,195
Brookline	55,062	Fairhaven	15,759
Buckland	1,864	Fall River	92,574
Burlington	23,486	Falmouth	23,640

Fitchburg	39,580
Florida	730
Foxborough	14,148
Framingham	65,113
Franklin	18,217
Freetown	7,058
Gardner	17,900
Gay Head	220
Georgetown	5,687
Gill	1,259
Gloucester	27,768
Goshen	651
Gosnold	63
Grafton	11,238
Granby	5,380
Granville	1,204
Great Barrington	7,405
Greenfield	18,436
Groton	6,154
Groveland	5,040
Hadley	4,125
Halifax	5,513
Hamilton	6,960
Hampden	4,745
Hancock	643
Hanover	11,358
Hanson	8,617
Hardwick	2,272
Harvard	12,170
Harwich	8,971
Hatfield	3,045
Haverhill	46,865
Hawley	280
Heath	482
Hingham	20,339
Hinsdale	1,707
Holbrook	11,140
Holden	13,336
Holland	1,589
Holliston	12,622
Holyoke	44,678
Hopedale	3,905
Hopkinton	7,114
Hubbardston	1,797
Hudson	16,408
Hull	9,714
Huntington	1,804
Ipswich	11,158
Kinsgston	7,362
Lakeville	5,931
Lancaster	6,334
Lanesborough	3,131
Lawrence	63,175
Lee	6,247
Leicester	9,446
Lenox	6,523
Leominster	34,508
Leverett	1,471
Lexington	29,479
Leyden	498
Lincoln	7,098
Littleton	6,970
Longmeadow	16,301
Lowell	92,418
Ludlow	18,150
Lunenburg	8,405
Lynn	78,471
Lynnfield	11,267
Malden	53,386
Manchester	5,424
Mansfield	13,453
Marblehead	20,126
Marion	3,932
Marlborough	30,617
Marshfield	20,916
Mashpee	3,700
Mattapoisett	5,597
Maynard	9,590
Medfield	10,220
Medford	58,076
Medway	8,447
Melrose	30,055
Mendon	3,108
Merrimac	4,451
Methuen	36,701
Middleborough	16,404
Middlefield	385
Middleton	4,135
Milford	23,390
Millbury	11,808
Millis	6,908
Millville	1,693
Milton	25,860
Monroe	179
Monson	7,315
Montague	8,011
Monterey	818
Montgomery	637
Mount Washington	93
Nahant	3,947
Nantucket	5,087
Natick	29,461
Needham	27,901
New Ashford	159
New Bedford	98,478
New Braintree	671

New Marlborough	1,160
New Salem	688
Newbury	4,529
Newburyport	15,900
Newton	83,622
Norfolk	6,363
North Adams	18,063
North Andover	20,129
North Attleborough	21,095
North Brookfield	4,150
North Reading	11,455
Northampton	29,286
Northborough	10,568
Northbridge	12,246
Northfield	2,386
Norton	12,690
Norwell	9,182
Norwood	29,711
Oak Bluffs	1,984
Oakham	994
Orange	6,844
Orleans	5,306
Otis	963
Oxford	11,680
Palmer	11,389
Paxton	3,762
Peabody	45,976
Pelham	1,112
Pembroke	13,487
Pepperell	8,061
Peru	633
Petersham	1,024
Phillipston	958
Pittsfield	51,974
Plainfield	425
Plainville	5,857
Plymouth	35,913
Plympton	1,974
Princeton	2,425
Provincetown	3,536
Quincy	84,743
Randolph	28,218
Raynham	9,085
Reading	22,678
Rehoboth	7,570
Revere	42,423
Richmond	1,659
Rochester	3,205
Rockland	15,695
Rockport	6,345
Rowe	336
Rowley	3,867
Royalston	955
Russell	1,570
Rutland	4,334
Salem	38,220
Salisbury	5,973
Sandisfield	720
Sandwich	8,727
Saugus	24,746
Savoy	644
Scituate	17,317
Seekonk	12,269
Sharon	13,601
Sheffield	2,743
Shelburne	2,002
Sherborn	4,049
Shirley	5,124
Shrewsbury	22,674
Shutesbury	1,049
Somerset	18,813
Somerville	77,372
South Hadley	16,399
Southampton	4,137
Southborough	6,193
Southbridge	16,665
Southwick	7,382
Spencer	10,774
Springfield	152,319
Sterling	5,440
Stockbridge	2,328
Stoneham	21,424
Stoughton	26,710
Stow	5,144
Sturbridge	5,976
Sudbury	14,027
Sunderland	2,929
Sutton	5,855
Swampscott	13,837
Swansea	15,461
Taunton	45,001
Templeton	6,070
Tewksbury	24,635
Tisbury	2,972
Tolland	235
Topsfield	5,709
Townsend	7,201
Truro	1,486
Tyngsborough	5,683
Tyringham	344
Upton	3,886
Uxbridge	8,374
Wakefield	24,895
Wales	1,177
Walpole	18,859
Waltham	58,200

Ware	8,953
Wareham	18,457
Warren	3,777
Warwick	603
Washington	587
Watertown	34,384
Wayland	12,170
Webster	14,480
Wellesley	27,209
Wellfleet	2,209
Wendell	694
Wenham	3,897
West Boylston	6,204
West Bridgewater	6,359
West Brookfield	3,026
West Newbury	2,861
West Springfield	27,042
West Stockbridge	1,280
West Tisbury	1,010
Westborough	13,619
Westfield	36,465
Westford	13,434
Westhampton	1,137
Westminster	5,139
Weston	11,169
Westport	13,763
Westwood	13,212
Weymouth	55,601
Whately	1,341
Whitman	13,534
Wilbraham	12,053
Willliamsburg	2,237
Williamstown	8,741
Wilmington	17,471
Winchendon	7,019
Winchester	20,701
Windsor	598
Winthrop	19,294
Woburn	36,626
Worcester	161,799
Worthington	932
Wrentham	7,580
Yarmouth	18,449
State Total	5,737,037

HSA I	- Western Massachusetts	803,517
HSA II	- Central Massachusetts	680,521
HSA III	- Merrimack Valley	487,884
HSA IV	- Greater Boston	2,110,139
HSA V	- Southeastern Massachusetts	1,023,073
HSA VI	- North Shore	631,903

APPENDIX V

MASSACHUSETTS CANCER REGISTRY STAFF

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Regina Kenney, Data Editor

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This report was prepared by the Cancer Registry staff, with data system development and computer programming designed and implemented by Irene Klangos, Director of the Public Information/Data Management Unit within the Division of Health Statistics and Research, Lynne Whitton, Programmer within that unit, and Mary McLaughlin of the Division of Data Processing.

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Commissioner, Department of Public Health
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1984 Annual Report
Cancer Incidence in Massachusetts

Massachusetts Department of Public Health

THE COMMONWEALTH OF MASSACHUSETTS
DEPARTMENT OF PUBLIC HEALTH

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PHILIP W. JOHNSTON, SECRETARY, EXECUTIVE OFFICE OF HUMAN SERVICES
BAILUS WALKER, JR., COMMISSIONER, DEPARTMENT OF PUBLIC HEALTH

1984 ANNUAL REPORT

OF

CANCER INCIDENCE IN MASSACHUSETTS

PREPARED BY THE

MASSACHUSETTS DEPARTMENT OF PUBLIC HEALTH
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TABLE OF CONTENTS

PAGE

Introduction 1

1984 Summary of Cancer Incidence in Massachusetts. 2

Data Quality 5

Interpretation of the Data 7

Massachusetts Cancer Registry Advisory Committee 9

Cancer Incidence in Cities and Towns 10

Cancer Incidence by Health Service Area. 40

Age-Specific Cancer Incidence in Massachusetts 41

Appendices

I. Massachusetts Cancer Registry Reporting Form. 42

II. Proportional Incidence Calculation Formula. 43

III. Massachusetts Cancer Registry Advisory Committee. 44

IV. 1980 Populations for Massachusetts Cities and Towns 46

V. Massachusetts Cancer Registry Staff and Acknowledgements. 50

Introduction

This is the third Annual Report of the Massachusetts Cancer Registry. Chapter 111, Sec. 111B of the Massachusetts General Laws, which created the Registry in July, 1980, authorized the Commissioner of Public Health to establish the first statewide cancer incidence registry and to specify the information to be collected and reported. The Registry, which receives data from all hospitals and clinics on newly diagnosed malignant neoplasms, is used by the Department of Public Health to monitor patterns and trends of cancer incidence in communities across Massachusetts. It provides public information and statistical analyses of cancer incidence in Massachusetts cities and towns and serves as a resource for epidemiologic investigations of cancer.

In 1984, 26,514 new cases of cancer were submitted to the Registry. After deletion of duplicate and nonreportable cases, 23,924 new cases were identified. This is less than a 1.0% increase over the number reported in the 1983 Annual Report. In effect, there was virtually no change in the total number of cases in the two years, although there were changes in the number of cases of specific types of cancer.

Data from the Cancer Registry have been used by physicians, hospitals, public and private agencies, health science researchers and students. It has also been used to track certain cancers that are called "sentinel"[1] types because they indicate that an environmental or occupational exposure has occurred. Two examples of this are mesothelioma and angiosarcoma of the liver, which are caused by asbestos and vinyl chloride exposure, respectively. Monitoring of such "sentinel" cancers is an important component of a statewide occupational disease surveillance system which the Division of Health Statistics and Research is currently developing.

---

[1]Rutstein DD, Mullan RJ, Frazier TM, et al: Sentinel Health Events (Occupational): A Basis for Physician Recognition and Public Health Surveillance. AJPH 73: 1054-1062, 1983

1984 Summary of Cancer Incidence in Massachusetts

The total number of cases of several of the cancer types did not change in 1984. Some of the less common types, such as liver cancer and stomach cancer, changed but in different directions; there were fewer cases of liver cancer and more cases of stomach cancer reported in 1984. After a third year of data collection, it appears that mesothelioma continues to be significantly elevated in Massachusetts. More than 150 cases were reported in 1982 through 1984, and this is probably two to four times the national rate of this rare cancer. Kaposi's Sarcoma, which is not summarized in this report, continued to increase dramatically in young males. This is a cancer increasingly found in AIDS patients.

The number and percentage of reported cases in 1984 are summarized below in Table 1. Between 1983 and 1984, there appears to be a continuing increase in cases of bronchus and lung cancer in women, but a decline in cases in men. Overall, the total number of cases is about 1.0% higher than reported in the 1983 Annual Report.

The highlights of this report are as follows:

- Lung cancer in 1984 increased 10% in females but decreased 6% in males from the previous year.
- Mesothelioma in Massachusetts continued to occur at two to four times the national rates.
- Kaposi's Sarcoma increased by 50% in young males compared to the previous year.

Further breakdowns of the statewide totals by age groups and HSA are provided at the end of the following tables. The community-specific data which follow are presented in the same format as the 1983 Annual Report. It is not appropriate to combine the two years and divide the Proportional Incidence Ratio (PIR) values by two; however, two-year PIR values can be recalculated by referring to the formulas in Appendix II. Future analyses will employ rates and rate comparisons when sufficient years of data have accumulated in the Cancer Registry.

Table 1

CANCER INCIDENCE IN MASSACHUSETTS, 1984

SITE	MALE	FEMALE	TOTAL	(%)
Colon and Rectum	1,891	2,031	3,922	(16.4)
Breast	19	3,573	3,592	(15.0)
Bronchus and Lung	2,206	1,326	3,532	(14.7)
Prostate	2,097	--	2,097	(8.8)
Uterus, Ovary and Other Female Organs	--	1,377	1,377	(5.8)
Bladder	764	314	1,078	(4.5)
Hematopoietic and Reticulo endothelial Systems*	371	363	734	(3.1)
Stomach	393	261	654	(2.7)
Kidney	345	224	569	(2.4)
Pancreas	240	280	520	(2.2)
Cervix	--	304	304	(1.3)
Liver	73	27	100	(0.4)
Other Sites**	3,085	2,360	5,445	(22.8)
Total	11,484	12,440	23,924	

* Includes leukemias, multiple myeloma, and other rare cancers of the blood-forming organs. About two-thirds of the cases in this category are leukemias.

**Includes lip, mouth, larynx, esophagus, small intestine, bone, soft tissues, testis, eye, brain, endocrine glands, lymph nodes and ill-defined and unknown sites.

Reporting System

One hundred fifteen Massachusetts hospitals have reported cases to the Cancer Registry in its first three years of operation. Eighty of these hospitals have tumor registries which provide more detailed data to their medical staffs. Several large hospitals, as well as a regional registry based at Brockton Hospital, submitted data on computer tapes. This system has resulted in high quality statewide data and highly efficient automated reporting for about 35% of all cases. Automated reporting increased in 1983 as another large teaching hospital began submitting data on computer tapes.

Interstate agreements were signed with surrounding states that have population-based cancer registries. As a result, Massachusetts shared 1983 cancer incidence data with New York, Connecticut and Maine. A 1982 agreement with the Rhode Island Health Department was not continued in 1984 because that agency had ceased operating a statewide registry. In 1982, approximately 200 cases of cancer in Massachusetts residents diagnosed in Rhode Island hospitals were reported by the Rhode Island Health Department. Most of these were residents of Massachusetts towns bordering on Rhode Island, and some were duplicates of reports also submitted by Massachusetts hospitals. Nevertheless, there may be some undercounting of cases in residents of these communities in the 1984 data. In 1986, Rhode Island will resume statewide cancer reporting.

Cases of cancer diagnosed in private doctors' offices are not required to be reported, unless they are in patients also seen at a hospital or clinic and therefore reported by the Tumor Registrar or Medical Records Department. Health Maintenance Organizations (HMOs) and free-standing centers with clinic licenses are required to report cases if the patients are not already reported in a hospital reporting system. Likewise, patients diagnosed under arrangements with the new Preferred Provider Organizations (PPOs), if seen in hospitals, are required to be reported by the hospital staffs.

The most common cancers, called squamous cell or basal cell skin cancers, are not required to be reported in this incidence reporting system. In-situ malignancies and most benign tumors are not reported as these types are often diagnosed only in private offices. Completeness of overall reporting is currently unknown, but an estimate can be made in future years by cross-checking cancer death certificates with previous cancer incidence files. The total number of cases reported in 1983 and 1984 agreed almost exactly with the estimates for Massachusetts previously published by the American Cancer Society. It is likely, therefore, that the number of cases reported will turn out to be at least 95% complete.

Data Quality

Several different methods of assuring data quality have been employed by the Cancer Registry, including training sessions held at hospitals and Department of Public Health offices throughout the Commonwealth, visual and computerized edit checks, and hospital site visits by tumor registrars reviewing randomly selected hospital records. Special training sessions also have been held to correct specific problems discovered once reports were submitted to the Registry.

Reports received from hospitals were reviewed several times for accuracy and consistency. Over 95% of the cases were confirmed by microscopic examination of a tissue specimen at the hospital, but visual and computerized edit checks were also conducted by the Cancer Registry staff and edit programs. Over two thousand patients were diagnosed at more than one hospital, so duplicate reports had to be identified and deleted from the statistical files.

There is considerable variability in the coding systems utilized by different hospitals for primary site, histology and stage of disease at diagnosis. For the purpose of producing this report, all primary site codes were converted to the International Classification of Diseases for Oncology (ICD-O) system. This system is used by most hospitals in Massachusetts, and computerized conversion was necessary on fewer than one-third of the cases. Histology and stage are not included in the data summarized in this report, however, because it was not possible to convert the various coding systems to a single, uniform system. In future years, as more hospitals adopt the ICD-O coding system and the American Joint Committee on Cancer's staging conventions, we anticipate that these data will be more consistent and uniform on a statewide basis.

Some of the other required data collected on the reporting form have not been included in this report. This is because some hospitals do not yet collect or record these data at the hospital level, and therefore cannot report them to the Department of Public Health Cancer Registry. For example, data on such variables as smoking status or occupation are not presented here because this information was incompletely reported in 1984. However, several hospitals have already taken steps to collect these types of information in their hospital records and have begun including them in their reports. Future annual reports of the Cancer Registry will contain additional information once it is uniformly available and its quality has been evaluated.

Data Utilization

In 1984, Cancer Registry data continued to be a resource for epidemiologic investigators both within and outside the Department of Public Health. For example, the continuing excess leukemia in Woburn was documented using Cancer Registry data. Incidence of cancer in several other cities and towns has been under investigation by epidemiologists from the Department's Center for Health Promotion and Environmental Disease Prevention and by local health departments and citizen groups working with academic researchers. Cancer Registry data have been useful in many of these efforts.

In special analyses done in conjunction with the Center, occupational and smoking status variables, although incomplete, have been utilized. For example, in several town studies, it has been possible to look at smoking status in evaluating an excess of a type of cancer that is associated with cigarette smoking. Additional analyses of occupational and industrial patterns of cancer are underway in a special surveillance unit supported by Funds from the National Institute for Occupational Safety and Health (NIOSH). Reports from this unit are expected over the coming year. And finally, analyses of regional variations in advanced stage at diagnosis for certain types of cancer have been possible using aggregated data from 1982 through 1984.

AUTHOR (LEAVE BLANK IF PERIODICAL)
CANCER INCIDENCE IN MASSACHUSETTS:
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Interpretation of the Data

Individual communities are listed alphabetically in the tables in this report. Each community's cancer incidence statistics are presented for males, females and the total population by type of cancer. The second column from the left gives the total number of cancer cases diagnosed among residents of that community in 1984. Types of cancers are abbreviated with letters that run across the top of each page. The following are the abbreviations for the types of cancers summarized in this report:

ST - Stomach Cancer
CO - Cancer of the Colon and Rectum
RE
LI - Liver Cancer
PA - Pancreatic Cancer
LU - Cancer of the Bronchus and Lung
BR - Breast Cancer
CE - Cancer of the Uterine Cervix
UT - Cancer of the Uterus, Ovaries and Other Female Reproductive Organs
PR - Prostate Cancer
BL - Bladder Cancer
KI - Kidney Cancer
HE - Cancers of the Blood-Forming Organs such as Leukemia
RE and Multiple Myeloma
OT - All Other Sites

Statewide cancer incidence statistics are presented on page 9. Cancer incidence statistics by region, or Health Service Area (HSA), are presented on page 40, and by age on page 41.

Next to the number of cases of each type of cancer diagnosed in 1984 in each community or health service region is another number known as the standardized Proportional Incidence Ratio (PIR). This describes in numerical terms how the community's experience in 1984 compared to the state as a whole. Further details about the method of computing the PIR are provided in Appendix II.

This statistical method is useful for screening the data and generating leads for further investigation. The following is what the PIRs mean:

*A PIR of 100 means that a community's incidence of a certain type of cancer as a proportion of all cancers is the same as the statewide average proportion for that cancer.

*A PIR of more than 100 indicates that a community's incidence of a certain type of cancer is higher than the statewide average proportion. for that cancer. A PIR of 105, for example, means that a community's cancer incidence is 5% higher than the statewide average proportion.

*A PIR of less than 100 means that a community's incidence of a certain type of cancer is less than the statewide average proportion for that cancer.

In some cases, there is a symbol next to the PIR number that indicates the level of statistical significance, or likelihood that the PIR value could have occurred by chance alone. The symbols (+) and (-) mean that there is a 5% probability that the variation from the statewide average was due to chance alone. The symbols (#) and (=) mean that there is only a 1% probability that the variation from the statewide average was due to chance alone. An asterisk (*) means that there were too few cases to determine their statistical significance.

It is important to remember that the data in this report represent a summary of all the cases of cancer diagnosed in one year. They cannot, by themselves, be used to identify trends. Some types of cancer that were elevated or lower than expected in a particular city or town in the 1983 Annual Report may not be so in this report, and conversely, some may be elevated or lower than expected in this report that were not in the previous year. These may simply be normal, year-to-year fluctuations due to the chance occurrence of disease. On the other hand, some types of cancer may be elevated or lower than expected two years in a row, and this may require more detailed investigation of possible explanations in a particular city or town. As more data are available in the Cancer Registry, it will be possible to isolate specific excesses or deficits of cancer incidence and to calculate trends in the incidence of cancer.

While the Proportional Incidence Ratio (PIR) is useful for an initial screening of Cancer Registry data, it has certain drawbacks which must be kept in mind when interpreting data for individual communities. Because of the nature of this statistic, if a more common type of cancer is elevated in a particular community, the other types of cancer may appear artificially low; conversely, if a relatively common cancer, such as colo-rectal, lung, female breast, prostate or uterine cancer is low in a particular community, then the other types may appear artificially high. This is because the proportion of all the different types of cancer summarized in a given community must always equal 100.

Finally, it is important to keep in mind that the PIR compares the proportion of cancer in a particular community to the proportion that would be expected based on the statewide incidence. This means that the only valid comparisons are between each individual community and the state as a whole, unless there are no differences in the age and sex distributions of the two communities being compared. The 1980 population for each city, town and Health Service Area (HSA) is provided in Appendix IV.

Cancer Registry Advisory Committee

In 1981, the Commissioner of Public Health appointed twelve persons to serve as an Advisory Committee to the Cancer Registry Director and to the Department. The members of this group and their affiliations are listed in Appendix III: they represent state agencies, hospitals, research institutions, the State Legislature, labor and the public. The Advisory Committee, all of whose members served through the third year of operations of the Cancer Registry, continues to play an important role in assuring a wide range of viewpoints in planning the direction and use of the data.

The Research Sub-committee of the Cancer Registry Advisory Committee is a standing committee which continued in the third year; it reviews applications for data for research projects and makes recommendations to the Commissioner for authorization of release of data to investigators. The Research Sub-committee recommended approval of projects in the third year of operations, some of which required personally-identified case information. This will be an important ongoing function of the Advisory Committee.

MASSACHUSETTS DEPARTMENT OF PUBLIC HEALTH CANCER REGISTRY
1984 CANCER INCIDENCE

CITY-TOWN	SEX	ALL SITES	ST	PIR	CO RE	PIR	LI	PIR	PA	PIR	LU	PIR	BR	PIR	CE	PIR	UT	PIR	PR	PIR	BL	PIR	KI	PIR	HE RE	PIR	OTHER SITES
ABINGTON	M	17	0	0*	2	74*	0	0*	0	0*	5	150	0	0*	0	0*	0	0*	5	170	0	0*	0	0*	0	0*	5
	F	15	1	266*	3	111*	0	0*	1	282*	1	67*	4	94*	1	299*	2	121*	0	0*	0	0*	0	0*	1	241*	1
	T	32	1		5		0		1		6		4		1		2		5		0		0		1		6
ACTON	M	14	0	0*	6	254+	0	0*	0	0*	2	78*	0	0*	0	0*	0	0*	2	74*	0	0*	0	0*	1	243*	3
	F	25	0	0*	4	129*	0	0*	0	0*	1	39*	8	102	1	109*	2	67*	0	0*	1	186*	1	257*	0	0*	7
	T	39	0		10		0		0		3		8		1		2		2		1		1		1		10
ACUSHNET	M	8	1	415*	2	170*	0	0*	0	0*	4	256*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	1
	F	17	0	0*	1	38*	0	0*	0	0*	0	0*	5	99	1	220*	4	208*	0	0*	1	248*	0	0*	4	890*	1
	T	25	1		3		0		0		4		5		1		4		0		1		0		4		2
ADAMS	M	27	3	308*	3	66*	1	633*	2	350*	8	149	0	0*	0	0*	0	0*	2	41*	0	0*	1	122*	2	255*	5
	F	29	1	167*	3	67*	0	0*	1	160*	4	141*	10	121	0	0*	4	127*	0	0*	0	0*	0	0*	1	104*	5
	T	56	4		6		1		3		12		10		0		4		2		0		1		3		10
AGAWAM	M	48	1	64*	6	77	0	0*	2	206*	9	103	0	0*	0	0*	0	0*	7	77	6	190	1	71*	0	0*	16
	F	57	1	99*	8	95	0	0*	2	167*	3	48*	11	66	2	123*	7	110	0	0*	2	152*	1	95*	4	239*	16
	T	105	2		14		0		4		12		11		2		7		7		8		2		4		32
ALFORD	M	0	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0
	F	0	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0
	T	0	0		0		0		0		0		0		0		0		0		0		0		0		0
AMESBURY	M	27	2	226*	1	24*	0	0*	0	0*	6	126	1	999*	0	0*	0	0*	5	105	5	289+	2	252*	1	96*	4
	F	22	1	175*	5	118	0	0*	1	178*	1	53*	6	101	1	173*	3	138*	0	0*	1	168*	0	0*	0	0*	3
	T	49	3		6		0		1		7		7		1		3		5		6		2		1		7
AMHERST	M	37	1	83*	9	149	0	0*	0	0*	10	141	0	0*	0	0*	0	0*	10	147	2	82*	0	0*	0	0*	5
	F	33	0	0*	5	101	0	0*	0	0*	1	31*	18	195#	0	0*	2	56*	0	0*	2	254*	0	0*	0	0*	5
	T	70	1		14		0		0		11		18		0		2		10		4		0		0		10
ANDOVER	M	41	0	0*	6	93	1	367*	1	122*	7	92	0	0*	0	0*	0	0*	15	210#	1	38*	1	81*	1	60*	8
	F	55	0	0*	13	158	1	849*	0	0*	4	66*	17	109	3	242*	6	98	0	0*	0	0*	0	0*	1	52*	10
	T	96	0		19		2		1		11		17		3		6		15		1		1		2		18
ARLINGTON	M	104	2	55*	19	108	2	310*	6	273+	16	79	0	0*	0	0*	0	0*	13	66	6	85	3	96*	4	123*	33
	F	152	2	58*	24	91	0	0*	3	83*	10	63	45	105	3	83*	24	146	0	0*	5	126	2	74*	2	46*	32
	T	256	4		43		2		9		26		45		3		24		13		11		5		6		65
ASHBURNHAM	M	12	1	226*	1	47*	0	0*	1	382*	1	44*	0	0*	0	0*	0	0*	5	200	0	0*	0	0*	0	0*	3
	F	9	0	0*	0	0*	0	0*	0	0*	1	133*	4	145*	1	274*	1	97*	0	0*	0	0*	0	0*	0	0*	2
	T	21	1		1		0		1		2		4		1		1		5		0		0		0		5
ASHBY	M	0	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0
	F	3	0	0*	1	335*	0	0*	0	0*	0	0*	2	197*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0
	T	3	0		1		0		0		0		2		0		0		0		0		0		0		0

NOTE: PIR REPRESENTS PROPORTIONAL INCIDENCE RATIO (OBSERVED/EXPECTED) X 100; PIR OF 999 = PIR > 1000;
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MASSACHUSETTS DEPARTMENT OF PUBLIC HEALTH CANCER REGISTRY
1984 CANCER INCIDENCE

CITY-TOWN	SEX	ALL SITES	ST	PIR	CO RE	PIR	LI	PIR	PA	PIR	LU	PIR	BR	PIR	CE	PIR	UT	PIR	PR	PIR	BL	PIR	KI	PIR	HE RE	PIR	OTHER SITES
ASHFIELD	M	3	0	0*	1	168*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	1	117*	0	0*	0	0*	0	0*	1
	F	3	0	0*	0	0*	0	0*	0	0*	0	0*	2	254*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	1
	T	6	0		1		0		0		0		2		0		0		1		0		0		0		2
ASHLAND	M	11	1	286*	3	180*	0	0*	0	0*	1	50*	0	0*	0	0*	0	0*	2	116*	1	145*	1	300*	0	0*	2
	F	19	0	0*	2	70*	0	0*	0	0*	2	105*	7	130	0	0*	2	95*	0	0*	0	0*	0	0*	0	0*	6
	T	30	1		5		0		0		3		7		0		2		2		1		1		0		8
ATHOL	M	27	1	110*	3	62*	0	0*	1	173*	3	58*	0	0*	0	0*	0	0*	10	167	2	106*	0	0*	1	125*	6
	F	28	1	163*	9	180	0	0*	1	142*	4	143*	4	51*	0	0*	3	104*	0	0*	1	143*	0	0*	1	125*	4
	T	55	2		12		0		2		7		4		0		3		10		3		0		2		10
ATTLEBORO	M	44	2	131*	7	96	0	0*	1	109*	14	170	0	0*	0	0*	0	0*	10	123	2	68*	0	0*	1	66*	7
	F	40	2	218*	8	111	0	0*	0	0*	0	0*	17	150	0	0*	2	46*	0	0*	0	0*	1	133*	2	185*	8
	T	84	4		15		0		1		14		17		0		2		10		2		1		3		15
AUBURN	M	42	2	146*	10	148	0	0*	1	115*	11	134	0	0*	0	0*	0	0*	5	67	4	147*	0	0*	0	0*	9
	F	51	1	104*	9	119	0	0*	0	0*	5	92	14	91	2	136*	6	101	0	0*	2	165*	0	0*	0	0*	12
	T	93	3		19		0		1		16		14		2		6		5		6		0		0		21
AVON	M	7	1	501*	1	94*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	1	81*	0	0*	0	0*	1	232*	3
	F	11	0	0*	0	0*	0	0*	1	733*	2	212*	2	55*	0	0*	2	152*	0	0*	0	0*	0	0*	0	0*	4
	T	18	1		1		0		1		2		2		0		2		1		0		0		1		7
AYER	M	13	0	0*	1	50*	0	0*	0	0*	3	142*	0	0*	0	0*	0	0*	4	173*	1	121*	0	0*	1	244*	3
	F	20	0	0*	2	66*	0	0*	0	0*	1	42*	3	51*	0	0*	3	132*	0	0*	1	204*	1	262*	1	192*	8
	T	33	0		3		0		0		4		3		0		3		4		2		1		2		11
BARNSTABLE	M	109	4	107*	17	91	0	0*	1	44*	14	73	0	0*	0	0*	0	0*	29	130	6	80	5	161	2	55*	31
	F	109	2	71*	22	104	0	0*	3	107*	6	54	40	136	1	49*	12	106	0	0*	1	32*	2	100*	2	61*	18
	T	218	6		39		0		4		20		40		1		12		29		7		7		4		49
BARRE	M	4	0	0*	2	278*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	1	111*	0	0*	0	0*	0	0*	1
	F	9	0	0*	0	0*	0	0*	0	0*	2	180*	2	77*	1	570*	3	297*	0	0*	0	0*	0	0*	1	428*	0
	T	13	0		2		0		0		2		2		1		3		1		0		0		1		1
BECKET	M	2	0	0*	0	0*	0	0*	0	0*	1	258*	0	0*	0	0*	0	0*	1	209*	0	0*	0	0*	0	0*	0
	F	2	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	2
	T	4	0		0		0		0		1		0		0		0		1		0		0		0		2
BEDFORD	M	21	0	0*	1	33*	0	0*	0	0*	4	103*	0	0*	0	0*	0	0*	7	231+	1	79*	0	0*	0	0*	8
	F	28	1	134*	9	177	0	0*	0	0*	1	39*	7	89	0	0*	3	98*	0	0*	0	0*	1	240*	1	126*	5
	T	49	1		10		0		0		5		7		0		3		7		1		1		1		13
BELCHERTOWN	M	20	2	287*	2	56*	0	0*	1	225*	4	100*	0	0*	0	0*	0	0*	6	146	0	0*	0	0*	2	354*	3
	F	14	1	291*	1	39*	0	0*	0	0*	1	75*	5	141	1	378*	1	75*	0	0*	1	277*	0	0*	1	174*	2
	T	34	3		3		0		1		5		5		1		1		6		1		0		3		5

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MASSACHUSETTS DEPARTMENT OF PUBLIC HEALTH CANCER REGISTRY
1984 CANCER INCIDENCE

CITY-TOWN	SEX	ALL SITES	ST	PIR	CO RE	PIR	LI	PIR	PA	PIR	LU	PIR	BR	PIR	CE	PIR	UT	PIR	PR	PIR	BL	PIR	KI	PIR	HE RE	PIR	OTHER SITES
BELLINGHAM	M	11	1	244*	1	57*	0	0*	0	0*	5	202	0	0*	0	0*	0	0*	3	196*	1	140*	0	0*	0	0*	0
	F	13	0	0*	2	123*	0	0*	1	421*	2	136*	5	132	0	0*	1	67*	0	0*	0	0*	0	0*	0	0*	2
	T	24	1		3		0		1		7		5		0		1		3		1		0		0		2
BELMONT	M	47	2	129*	10	134	1	333*	0	0*	4	48*	0	0*	0	0*	0	0*	11	130	2	65*	5	370#	1	69*	11
	F	63	1	69*	19	167+	0	0*	1	64*	7	104	15	85	1	73*	6	89	0	0*	1	59*	0	0*	0	0*	12
	T	110	3		29		1		1		11		15		1		6		11		3		5		1		23
BERKLEY	M	3	0	0*	1	192*	0	0*	0	0*	1	161*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	1
	F	2	0	0*	0	0*	0	0*	1	999*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	1
	T	5	0		1		0		1		1		0		0		0		0		0		0		0		2
BERLIN	M	1	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	1
	F	2	0	0*	0	0*	0	0*	0	0*	0	0*	1	144*	0	0*	1	434*	0	0*	0	0*	0	0*	0	0*	0
	T	3	0		0		0		0		0		1		0		1		0		0		0		0		1
BERNARDSTON	M	3	0	0*	2	385*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	1
	F	4	0	0*	1	140*	0	0*	0	0*	0	0*	3	266*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0
	T	7	0		3		0		0		0		3		0		0		0		0		0		0		1
BEVERLY	M	94	6	188	9	59	0	0*	1	51*	18	99	0	0*	0	0*	0	0*	25	151+	6	97	2	71*	4	143*	23
	F	92	2	104*	16	103	0	0*	1	47*	10	98	30	113	1	46*	9	88	0	0*	5	211	0	0*	2	81*	16
	T	186	8		25		0		2		28		30		1		9		25		11		2		6		39
BILLERICA	M	48	1	64*	7	101	0	0*	0	0*	11	128	0	0*	0	0*	0	0*	6	87	2	68*	5	335+	5	263	11
	F	35	3	467*	1	21*	0	0*	0	0*	3	94*	10	99	1	86*	7	183	0	0*	0	0*	0	0*	1	78*	9
	T	83	4		8		0		0		14		10		1		7		6		2		5		6		20
BLACKSTONE	M	5	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	5
	F	2	0	0*	0	0*	0	0*	0	0*	0	0*	2	327*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0
	T	7	0		0		0		0		0		2		0		0		0		0		0		0		5
BLANDFORD	M	3	0	0*	0	0*	0	0*	0	0*	1	147*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	2
	F	2	0	0*	0	0*	0	0*	0	0*	0	0*	2	291*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0
	T	5	0		0		0		0		1		2		0		0		0		0		0		0		2
BOLTON	M	5	0	0*	1	131*	0	0*	0	0*	1	115*	0	0*	0	0*	0	0*	1	117*	0	0*	1	703*	0	0*	1
	F	3	0	0*	0	0*	0	0*	0	0*	0	0*	1	110*	1	823*	0	0*	0	0*	1	999*	0	0*	0	0*	0
	T	8	0		1		0		0		1		1		1		0		1		1		1		0		1
BOSTON	M	1110	39	103	170	95	10	142	18	78	211	100	5	268	0	0*	0	0*	174	89	72	99	20	60-	29	83	362
	F	1104	24	100	191	103	2	85*	27	107	119	103	290	92	34	126	112	93	0	0*	26	92	13	66	27	84	239
	T	2214	63		361		12		45		330		295		34		112		174		98		33		56		601
BOURNE	M	29	0	0*	2	43*	0	0*	1	167*	11	192+	0	0*	0	0*	0	0*	4	78*	1	53*	1	113*	3	280*	6
	F	42	2	256*	3	46*	0	0*	1	108*	7	146	11	89	2	184*	4	84*	0	0*	0	0*	0	0*	1	91*	11
	T	71	2		5		0		2		18		11		2		4		4		1		1		4		17

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BOXBOROUGH	M	1	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	1
	F	1	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	1
	T	2	0		0		0		0		0		0		0		0		0		0		0		0		2
BOXFORD	M	8	0	0*	0	0*	0	0*	0	0*	2	136*	0	0*	0	0*	0	0*	4	227*	1	173*	0	0*	1	443*	0
	F	12	0	0*	0	0*	0	0*	0	0*	1	70*	5	136	0	0*	0	0*	0	0*	0	0*	1	441*	0	0*	5
	T	20	0		0		0		0		3		5		0		0		4		1		1		1		5
BOYLSTON	M	6	0	0*	1	111*	0	0*	0	0*	1	87*	0	0*	0	0*	0	0*	1	110*	1	267*	1	544*	0	0*	1
	F	3	0	0*	0	0*	0	0*	0	0*	1	325*	1	111*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	1
	T	9	0		1		0		0		2		1		0		0		1		1		1		0		2
BRAINTREE	M	64	1	46*	9	84	1	248*	1	74*	13	104	0	0*	0	0*	0	0*	13	107	5	116	2	105*	3	160*	16
	F	88	0	0*	15	105	0	0*	2	100*	10	103	18	70	1	48*	11	110	0	0*	0	0*	1	64*	2	86*	28
	T	152	1		24		1		3		23		18		1		11		13		5		3		5		44
BREWSTER	M	21	0	0*	2	53*	0	0*	0	0*	5	126	0	0*	0	0*	0	0*	5	111	4	266*	0	0*	0	0*	5
	F	13	0	0*	1	44*	0	0*	0	0*	3	234*	3	88*	0	0*	1	74*	0	0*	0	0*	0	0*	1	190*	4
	T	34	0		3		0		0		8		3		0		1		5		4		0		1		9
BRIDGEWATER	M	23	2	241*	3	83*	0	0*	2	407*	8	162	0	0*	0	0*	0	0*	3	90*	0	0*	3	394*	0	0*	2
	F	24	0	0*	2	58*	0	0*	0	0*	2	70*	10	137	3	471*	3	105*	0	0*	0	0*	1	222*	0	0*	3
	T	47	2		5		0		2		10		10		3		3		3		0		4		0		5
BRIMFIELD	M	4	0	0*	1	150*	0	0*	0	0*	1	117*	0	0*	0	0*	0	0*	0	0*	1	371*	0	0*	1	890*	0
	F	2	0	0*	1	252*	0	0*	0	0*	0	0*	1	179*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0
	T	6	0		2		0		0		1		1		0		0		0		1		0		1		0
BROCKTON	M	175	6	100	24	83	3	268*	1	27*	34	101	0	0*	0	0*	0	0*	42	130	14	120	5	94	4	65*	42
	F	214	3	64*	35	98	0	0*	5	103	30	136	44	73-	14	278#	26	112	0	0*	3	55*	3	78*	11	160	40
	T	389	9		59		3		6		64		44		14		26		42		17		8		15		82
BROOKFIELD	M	11	0	0*	4	208*	0	0*	0	0*	1	46*	0	0*	0	0*	0	0*	2	92*	1	130*	0	0*	1	320*	2
	F	12	0	0*	0	0*	0	0*	1	377*	2	132*	1	28*	2	781*	3	210*	0	0*	3	999*	0	0*	0	0*	0
	T	23	0		4		0		1		3		1		2		3		2		4		0		1		2
BROOKLINE	M	85	5	167	20	136	2	365*	2	111*	15	95	0	0*	0	0*	0	0*	11	64	1	17*	3	122*	2	74*	24
	F	139	2	61*	18	72	1	332*	5	149	16	114	45	116	2	62*	17	115	0	0*	3	81*	2	81*	2	49*	26
	T	224	7		38		3		7		31		45		2		17		11		4		5		4		50
BUCKLAND	M	0	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0
	F	2	0	0*	1	352*	0	0*	0	0*	0	0*	1	163*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0
	T	2	0		1		0		0		0		1		0		0		0		0		0		0		0
BURLINGTON	M	50	2	122*	6	78	0	0*	0	0*	13	132	0	0*	0	0*	0	0*	6	77	4	127*	0	0*	3	176*	16
	F	37	2	339*	4	85*	0	0*	2	294*	1	25*	11	95	2	160*	5	112	0	0*	0	0*	2	330*	0	0*	8
	T	87	4		10		0		2		14		11		2		5		6		4		2		3		24

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MASSACHUSETTS DEPARTMENT OF PUBLIC HEALTH CANCER REGISTRY
1984 CANCER INCIDENCE

CITY-TOWN	SEX	ALL SITES	ST	PIR	CO RE	PIR	LI	PIR	PA	PIR	LU	PIR	BR	PIR	CE	PIR	UT	PIR	PR	PIR	BL	PIR	KI	PIR	HE RE	PIR	OTHER SITES
CAMBRIDGE	M	123	5	122	21	108	1	130*	5	200	25	107	1	523*	0	0*	0	0*	22	104	6	75	4	108*	5	121	28
	F	169	4	106*	30	106	2	544*	3	78*	15	87	53	109	3	71*	23	123	0	0*	4	92*	0	0*	2	42*	30
	T	292	9		51		3		8		40		54		3		23		22		10		4		7		58
CANTON	M	28	0	0*	6	129	0	0*	1	163*	7	115	0	0*	0	0*	0	0*	4	85*	2	107*	2	222*	0	0*	6
	F	34	1	144*	3	55*	0	0*	0	0*	3	86*	9	94	0	0*	4	109*	0	0*	1	121*	1	162*	0	0*	12
	T	62	1		9		0		1		10		9		0		4		4		3		3		0		18
CARLISLE	M	5	0	0*	0	0*	0	0*	0	0*	2	206*	0	0*	0	0*	0	0*	0	0*	1	282*	0	0*	0	0*	2
	F	8	0	0*	2	269*	0	0*	0	0*	0	0*	3	113*	0	0*	0	0*	0	0*	0	0*	0	0*	1	529*	2
	T	13	0		2		0		0		2		3		0		0		0		1		0		1		4
CARVER	M	21	1	148*	2	55*	0	0*	0	0*	3	75*	0	0*	0	0*	0	0*	7	158	2	141*	0	0*	1	120*	5
	F	16	1	348*	3	121*	0	0*	0	0*	3	157*	5	105	0	0*	1	54*	0	0*	0	0*	0	0*	0	0*	3
	T	37	2		5		0		0		6		5		0		1		7		2		0		1		8
CHARLEMONT	M	2	0	0*	1	278*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	1	233*	0	0*	0	0*	0	0*	0
	F	5	0	0*	1	137*	0	0*	0	0*	0	0*	2	131*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	2
	T	7	0		2		0		0		0		2		0		0		1		0		0		0		2
CHARLTON	M	12	0	0*	1	53*	0	0*	0	0*	5	246	0	0*	0	0*	0	0*	1	44*	1	132*	0	0*	0	0*	4
	F	6	0	0*	1	100*	0	0*	0	0*	1	132*	1	57*	0	0*	0	0*	0	0*	0	0*	0	0*	1	649*	2
	T	18	0		2		0		0		6		1		0		0		1		1		0		1		6
CHATHAM	M	15	0	0*	4	144*	0	0*	1	305*	0	0*	0	0*	0	0*	0	0*	7	199	0	0*	1	241*	0	0*	2
	F	28	0	0*	8	138	0	0*	0	0*	3	112*	7	94	0	0*	4	140*	0	0*	0	0*	0	0*	1	122*	5
	T	43	0		12		0		1		3		7		0		4		7		0		1		1		7
CHELMSFORD	M	56	1	49*	7	74	0	0*	0	0*	9	82	0	0*	0	0*	0	0*	14	137	4	105*	1	57*	1	55*	19
	F	51	1	115*	9	134	0	0*	0	0*	5	102	14	89	0	0*	6	102	0	0*	1	90*	1	127*	2	146*	12
	T	107	2		16		0		0		14		14		0		6		14		5		2		3		31
CHELSEA	M	73	1	40*	18	144	0	0*	3	191*	16	110	0	0*	0	0*	0	0*	10	71	3	60*	3	136*	1	43*	18
	F	52	1	90*	11	123	0	0*	1	81*	5	87	12	83	2	177*	9	162	0	0*	1	74*	2	198*	2	126*	6
	T	125	2		29		0		4		21		12		2		9		10		4		5		3		24
CHESHIRE	M	2	0	0*	0	0*	0	0*	0	0*	1	246*	0	0*	0	0*	0	0*	0	0*	1	725*	0	0*	0	0*	0
	F	7	0	0*	0	0*	0	0*	0	0*	1	176*	1	53*	0	0*	5	706#	0	0*	0	0*	0	0*	0	0*	0
	T	9	0		0		0		0		2		1		0		5		0		1		0		0		0
CHESTER	M	0	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0
	F	2	0	0*	0	0*	0	0*	0	0*	0	0*	1	172*	0	0*	1	436*	0	0*	0	0*	0	0*	0	0*	0
	T	2	0		0		0		0		0		1		0		1		0		0		0		0		0
CHESTERFIELD	M	0	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0
	F	0	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0
	T	0	0		0		0		0		0		0		0		0		0		0		0		0		0

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CHICOPEE	M	139	4	84*	22	96	0	0*	5	170	25	90	0	0*	0	0*	0	0*	27	110	12	130	4	94*	4	94*	36
	F	125	1	35*	20	90	0	0*	0	0*	19	141	41	117	0	0*	14	103	0	0*	1	30*	3	130*	3	84*	23
	T	264	5		42		0		5		44		41		0		14		27		13		7		7		59
CHILMARK	M	0	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0
	F	0	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0
	T	0	0		0		0		0		0		0		0		0		0		0		0		0		0
CLARKSBURG	M	3	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	1	144*	0	0*	0	0*	0	0*	2
	F	2	0	0*	1	502*	0	0*	0	0*	1	373*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0
	T	5	0		1		0		0		1		0		0		0		1		0		0		0		2
CLINTON	M	28	1	101*	5	108	0	0*	0	0*	9	158	0	0*	0	0*	0	0*	3	61*	3	160*	1	114*	0	0*	6
	F	29	3	397*	7	125	0	0*	0	0*	1	35*	9	118	2	387*	3	103*	0	0*	0	0*	0	0*	0	0*	4
	T	57	4		12		0		0		10		9		2		3		3		3		1		0		10
COHASSET	M	15	0	0*	4	191*	0	0*	0	0*	1	35*	0	0*	0	0*	0	0*	1	55*	1	111*	2	413*	0	0*	6
	F	13	0	0*	7	294#	0	0*	0	0*	1	71*	2	54*	0	0*	0	0*	0	0*	0	0*	0	0*	1	285*	2
	T	28	0		11		0		0		2		2		0		0		1		1		2		1		8
COLRAIN	M	3	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	1	513*	0	0*	1	979*	1
	F	1	0	0*	0	0*	0	0*	0	0*	0	0*	1	295*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0
	T	4	0		0		0		0		0		1		0		0		0		1		0		1		1
CONCORD	M	28	1	108*	6	138	0	0*	0	0*	4	80*	0	0*	0	0*	0	0*	7	149	3	168*	1	119*	4	376*	2
	F	35	1	135*	3	52*	0	0*	0	0*	4	106*	15	148	0	0*	3	76*	0	0*	0	0*	1	160*	1	106*	7
	T	63	2		9		0		0		8		15		0		3		7		3		2		5		9
CONWAY	M	1	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	1
	F	0	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0
	T	1	0		0		0		0		0		0		0		0		0		0		0		0		1
CUMMINGTON	M	1	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	1
	F	2	1	999*	0	0*	0	0*	0	0*	0	0*	1	163*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0
	T	3	1		0		0		0		0		1		0		0		0		0		0		0		1
DALTON	M	12	0	0*	3	181*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	5	293+	0	0*	0	0*	0	0*	4
	F	11	0	0*	0	0*	0	0*	1	512*	0	0*	7	218	0	0*	3	235*	0	0*	0	0*	0	0*	0	0*	0
	T	23	0		3		0		1		0		7		0		3		5		0		0		0		4
DANVERS	M	56	1	55*	13	142	0	0*	1	86*	10	92	0	0*	0	0*	0	0*	7	68	8	219+	1	59*	1	43*	14
	F	76	1	59*	15	122	0	0*	3	181*	11	146	21	100	2	116*	5	61	0	0*	1	53*	2	150*	2	73*	13
	T	132	2		28		0		4		21		21		2		5		7		9		3		3		27
DARTMOUTH	M	54	2	104*	17	186+	0	0*	2	172*	10	94	0	0*	0	0*	0	0*	10	99	3	82*	3	183*	3	193*	4
	F	42	0	0*	6	87	0	0*	1	104*	4	83*	11	90	2	210*	6	126	0	0*	4	369*	0	0*	0	0*	8
	T	96	2		23		0		3		14		11		2		6		10		7		3		3		12

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DEDHAM	M	62	4	187*	9	95	0	0*	1	79*	17	138	0	0*	0	0*	0	0*	7	75	6	152	2	103*	0	0*	16
	F	64	0	0*	13	124	0	0*	1	68*	7	97	19	101	2	139*	9	123	0	0*	1	61*	0	0*	1	60*	11
	T	126	4		22		0		2		24		19		2		9		7		7		2		1		27
DEERFIELD	M	3	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	1	999*	2
	F	11	0	0*	5	291+	0	0*	0	0*	0	0*	2	61*	0	0*	3	231*	0	0*	0	0*	0	0*	1	365*	0
	T	14	0		5		0		0		0		2		0		3		0		0		0		2		2
DENNIS	M	45	0	0*	5	60	0	0*	2	202*	10	122	0	0*	0	0*	0	0*	18	174+	3	92*	1	79*	1	78*	5
	F	50	0	0*	9	105	0	0*	0	0*	3	56*	17	124	1	100*	6	113	0	0*	0	0*	0	0*	1	59*	13
	T	95	0		14		0		2		13		17		1		6		18		3		1		2		18
DIGHTON	M	8	0	0*	2	153*	0	0*	0	0*	2	142*	0	0*	0	0*	0	0*	0	0*	0	0*	1	434*	0	0*	3
	F	6	0	0*	1	80*	0	0*	0	0*	1	162*	0	0*	0	0*	1	164*	0	0*	0	0*	0	0*	1	576*	2
	T	14	0		3		0		0		3		0		0		1		0		0		1		1		5
DOUGLAS	M	6	0	0*	1	104*	0	0*	1	821*	2	181*	0	0*	0	0*	0	0*	1	89*	0	0*	0	0*	0	0*	1
	F	3	0	0*	0	0*	0	0*	0	0*	1	249*	1	105*	0	0*	0	0*	0	0*	0	0*	1	999*	0	0*	0
	T	9	0		1		0		1		3		1		0		0		1		0		1		0		1
DOVER	M	8	2	684*	0	0*	0	0*	0	0*	2	129*	0	0*	0	0*	0	0*	2	115*	0	0*	0	0*	1	422*	1
	F	9	1	839*	1	99*	0	0*	0	0*	0	0*	2	70*	1	261*	0	0*	0	0*	0	0*	0	0*	1	424*	3
	T	17	3		1		0		0		2		2		1		0		2		0		0		2		4
DRACUT	M	45	1	64*	5	69	0	0*	1	105*	10	109	0	0*	0	0*	0	0*	6	80	6	203	2	142*	1	77*	13
	F	28	1	233*	3	83*	0	0*	1	190*	1	30*	4	46*	4	483*	4	116*	0	0*	3	473*	0	0*	2	294*	5
	T	73	2		8		0		2		11		4		4		4		6		9		2		3		18
DUDLEY	M	10	0	0*	3	184*	0	0*	0	0*	2	102*	0	0*	0	0*	0	0*	1	55*	0	0*	0	0*	0	0*	4
	F	18	0	0*	3	125*	0	0*	0	0*	3	137*	3	54*	0	0*	3	139*	0	0*	2	492*	0	0*	0	0*	4
	T	28	0		6		0		0		5		3		0		3		1		2		0		0		8
DUNSTABLE	M	2	0	0*	0	0*	0	0*	0	0*	1	233*	0	0*	0	0*	0	0*	1	233*	0	0*	0	0*	0	0*	0
	F	1	0	0*	0	0*	0	0*	0	0*	0	0*	1	295*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0
	T	3	0		0		0		0		1		1		0		0		1		0		0		0		0
DUXBURY	M	11	0	0*	3	160*	0	0*	0	0*	2	104*	0	0*	0	0*	0	0*	3	131*	0	0*	0	0*	1	298*	2
	F	19	0	0*	4	131*	0	0*	0	0*	4	232*	3	54*	2	339*	1	48*	0	0*	0	0*	0	0*	1	186*	4
	T	30	0		7		0		0		6		3		2		1		3		0		0		2		6
EAST BRIDGEWATER	M	20	0	0*	1	29*	0	0*	1	237*	5	137	0	0*	0	0*	0	0*	3	74*	0	0*	1	173*	1	170*	8
	F	17	1	239*	3	94*	0	0*	0	0*	1	55*	4	91*	1	368*	2	119*	0	0*	0	0*	0	0*	1	155*	4
	T	37	1		4		0		1		6		4		1		2		3		0		1		2		12
EAST BROOKFIELD	M	5	0	0*	0	0*	0	0*	0	0*	1	120*	0	0*	0	0*	0	0*	1	116*	1	312*	0	0*	0	0*	2
	F	4	0	0*	0	0*	0	0*	1	999*	0	0*	0	0*	0	0*	1	212*	0	0*	0	0*	0	0*	2	999*	0
	T	9	0		0		0		1		1		0		0		1		1		1		0		2		2

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MASSACHUSETTS DEPARTMENT OF PUBLIC HEALTH CANCER REGISTRY
1984 CANCER INCIDENCE

CITY-TOWN	SEX	ALL SITES	ST	PIR	CO RE	PIR	LI	PIR	PA	PIR	LU	PIR	BR	PIR	CE	PIR	UT	PIR	PR	PIR	BL	PIR	KI	PIR	HE RE	PIR	OTHER SITES
EAST LONGMEADOW	M	22	1	131*	5	136	0	0*	0	0*	6	136	0	0*	0	0*	0	0*	3	76*	2	135*	0	0*	1	159*	4
	F	34	1	157*	5	104	0	0*	1	150*	2	58*	11	110	2	192*	4	105*	0	0*	3	385*	0	0*	0	0*	5
	T	56	2		10		0		1		8		11		2		4		3		5		0		1		9
EASTHAM	M	16	0	0*	3	104*	0	0*	1	288*	2	68*	0	0*	0	0*	0	0*	4	116*	0	0*	0	0*	0	0*	6
	F	15	0	0*	4	145*	0	0*	0	0*	1	59*	4	95*	0	0*	1	61*	0	0*	1	244*	0	0*	1	247*	3
	T	31	0		7		0		1		3		4		0		1		4		1		0		1		9
EASTHAMPTON	M	24	0	0*	6	164	0	0*	0	0*	2	45*	0	0*	0	0*	0	0*	3	75*	2	134*	2	280*	2	209*	7
	F	28	1	197*	3	75*	0	0*	0	0*	6	199	8	94	1	120*	1	30*	0	0*	1	152*	2	420*	2	276*	3
	T	52	1		9		0		0		8		8		1		1		3		3		4		4		10
EASTON	M	25	1	138*	1	29*	1	555*	0	0*	4	100*	0	0*	0	0*	0	0*	5	134	1	71*	0	0*	1	60*	11
	F	28	0	0*	2	49*	0	0*	1	178*	3	102*	10	127	1	152*	4	129*	0	0*	0	0*	0	0*	3	282*	4
	T	53	1		3		1		1		7		10		1		4		5		1		0		4		15
EDGARTOWN	M	4	0	0*	0	0*	1	999*	1	999*	0	0*	0	0*	0	0*	0	0*	2	378*	0	0*	0	0*	0	0*	0
	F	5	0	0*	0	0*	0	0*	0	0*	0	0*	2	128*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	3
	T	9	0		0		1		1		0		2		0		0		2		0		0		0		3
EGREMONT	M	2	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	2
	F	0	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0
	T	2	0		0		0		0		0		0		0		0		0		0		0		0		2
ERVING	M	2	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	2	468*	0	0*	0	0*	0	0*	0
	F	2	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	2	999*	0	0*	0	0*	0	0*	0	0*	0	0*	0
	T	4	0		0		0		0		0		0		2		0		2		0		0		0		0
ESSEX	M	4	0	0*	0	0*	0	0*	1	999*	0	0*	0	0*	0	0*	0	0*	1	156*	1	379*	0	0*	0	0*	1
	F	6	1	946*	4	438*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	1	677*	0
	T	10	1		4		0		1		0		0		0		0		1		1		0		1		1
EVERETT	M	75	4	149*	14	112	0	0*	3	189*	12	81	0	0*	0	0*	0	0*	9	67	4	79*	4	174*	4	168*	21
	F	84	1	63*	13	100	0	0*	7	381#	12	128	18	74	4	190*	8	86	0	0*	1	50*	2	125*	1	39*	17
	T	159	5		27		0		10		24		18		4		8		9		5		6		5		38
FAIRHAVEN	M	37	1	80*	4	65*	0	0*	0	0*	10	141	0	0*	0	0*	0	0*	4	59*	2	81*	3	272*	1	92*	12
	F	40	0	0*	12	158	0	0*	4	393*	5	123	7	64	0	0*	4	96*	0	0*	2	180*	0	0*	2	175*	4
	T	77	1		16		0		4		15		7		0		4		4		4		3		3		16
FALL RIVER	M	200	10	145	38	112	1	78*	1	24*	48	126	0	0*	0	0*	0	0*	32	82	7	52	1	17*	7	111	55
	F	201	8	171	33	92	1	226*	4	83*	16	75	39	69-	5	115	34	156+	0	0*	3	55*	9	249+	10	176	39
	T	401	18		71		2		5		64		39		5		34		32		10		10		17		94
FALMOUTH	M	90	3	96*	16	104	1	175*	3	160*	14	85	0	0*	0	0*	0	0*	19	104	1	16*	3	118*	5	185	25
	F	96	0	0*	16	101	0	0*	2	91*	15	138	25	91	1	48*	10	93	0	0*	2	81*	1	55*	4	148*	20
	T	186	3		32		1		5		29		25		1		10		19		3		4		9		45

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FITCHBURG	M	79	5	181	11	84	0	0*	3	178*	15	94	0	0*	0	0*	0	0*	19	133	8	151	1	41*	2	80*	15
	F	98	0	0*	15	88	0	0*	0	0*	13	123	28	101	2	100*	15	138	0	0*	3	114*	3	170*	2	71*	17
	T	177	5		26		0		3		28		28		2		15		19		11		4		4		32
FLORIDA	M	0	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0
	F	1	0	0*	0	0*	0	0*	0	0*	1	746*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0
	T	1	0		0		0		0		1		0		0		0		0		0		0		0		0
FOXBOROUGH	M	31	1	93*	9	179	0	0*	0	0*	2	32*	0	0*	0	0*	0	0*	5	95	3	147*	2	208*	1	111*	8
	F	30	0	0*	7	152	0	0*	0	0*	2	59*	10	112	0	0*	7	204	0	0*	0	0*	0	0*	1	127*	3
	T	61	1		16		0		0		4		10		0		7		5		3		2		2		11
FRAMINGHAM	M	116	6	150	12	62	0	0*	1	42*	11	51-	0	0*	0	0*	0	0*	28	128	7	90	4	117*	8	196	39
	F	132	0	0*	21	102	1	331*	4	140*	10	72	43	110	3	84*	14	92	0	0*	5	153	2	89*	2	57*	27
	T	248	6		33		1		5		21		43		3		14		28		12		6		10		66
FRANKLIN	M	25	0	0*	5	135	0	0*	0	0*	5	125	0	0*	0	0*	0	0*	4	95*	2	130*	2	283*	0	0*	7
	F	30	0	0*	2	50*	0	0*	0	0*	5	170	16	175+	0	0*	3	88*	0	0*	1	158*	0	0*	1	123*	2
	T	55	0		7		0		0		10		16		0		3		4		3		2		1		9
FREETOWN	M	9	0	0*	1	67*	0	0*	1	496*	2	100*	0	0*	0	0*	0	0*	2	134*	0	0*	0	0*	0	0*	3
	F	8	0	0*	2	192*	0	0*	0	0*	1	107*	2	80*	2	834*	1	103*	0	0*	0	0*	0	0*	0	0*	0
	T	17	0		3		0		1		3		2		2		1		2		0		0		0		3
GARDNER	M	46	1	66*	5	67	0	0*	1	106*	13	151	0	0*	0	0*	0	0*	8	94	4	133*	3	222*	1	62*	10
	F	38	0	0*	5	79	0	0*	2	221*	3	70*	14	127	0	0*	4	94*	0	0*	1	105*	1	138*	1	100*	7
	T	84	1		10		0		3		16		14		0		4		8		5		4		2		17
GAY HEAD	M	0	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0
	F	0	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0
	T	0	0		0		0		0		0		0		0		0		0		0		0		0		0
GEORGETOWN	M	6	0	0*	0	0*	0	0*	0	0*	1	79*	0	0*	0	0*	0	0*	0	0*	1	245*	1	530*	0	0*	3
	F	9	0	0*	1	101*	0	0*	0	0*	1	102*	3	116*	0	0*	3	293*	0	0*	0	0*	0	0*	0	0*	1
	T	15	0		1		0		0		2		3		0		3		0		1		1		0		4
GILL	M	0	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0
	F	1	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	1
	T	1	0		0		0		0		0		0		0		0		0		0		0		0		1
GLOUCESTER	M	50	4	238*	5	65	0	0*	0	0*	10	106	0	0*	0	0*	0	0*	5	63	3	94*	1	66*	0	0*	22
	F	56	4	389*	4	49*	0	0*	1	86*	9	150	13	81	2	132*	6	97	0	0*	1	77*	1	97*	3	165*	12
	T	106	8		9		0		1		19		13		2		6		5		4		2		3		34
GOSHEN	M	0	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0
	F	1	0	0*	0	0*	0	0*	0	0*	0	0*	1	295*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0
	T	1	0		0		0		0		0		1		0		0		0		0		0		0		0

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GOSNOLD	M	0	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0
	F	0	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0
	T	0	0		0		0		0		0		0		0		0		0		0		0		0		0
GRAFTON	M	37	0	0*	8	134	1	449*	0	0*	5	68	0	0*	0	0*	0	0*	7	111	3	123*	1	88*	5	459#	7
	F	32	1	180*	2	45*	0	0*	2	318*	4	115*	5	51	2	202*	6	158	0	0*	1	136*	0	0*	2	243*	7
	T	69	1		10		1		2		9		5		2		6		7		4		1		7		14
GRANBY	M	9	0	0*	0	0*	0	0*	0	0*	4	210*	0	0*	0	0*	0	0*	2	117*	0	0*	0	0*	0	0*	3
	F	10	0	0*	1	85*	0	0*	0	0*	3	269*	3	94*	1	284*	2	163*	0	0*	0	0*	0	0*	0	0*	0
	T	19	0		1		0		0		7		3		1		2		2		0		0		0		3
GRANVILLE	M	2	0	0*	0	0*	0	0*	0	0*	1	223*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	1	999*	0
	F	0	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0
	T	2	0		0		0		0		1		0		0		0		0		0		0		1		0
GREAT BARRINGTON	M	25	1	110*	4	91*	0	0*	1	189*	1	22*	0	0*	0	0*	0	0*	7	134	2	114*	0	0*	1	137*	8
	F	23	0	0*	9	205+	0	0*	1	171*	0	0*	3	49*	1	275*	2	85*	0	0*	0	0*	1	236*	1	123*	5
	T	48	1		13		0		2		1		3		1		2		7		2		1		2		13
GREENFIELD	M	40	2	147*	6	94	0	0*	0	0*	11	148	0	0*	0	0*	0	0*	4	57*	2	76*	1	83*	2	143*	12
	F	58	4	277*	4	37*	0	0*	2	141*	8	131	20	123	2	171*	9	142	0	0*	0	0*	0	0*	1	63*	8
	T	98	6		10		0		2		19		20		2		9		4		2		1		3		20
GROTON	M	10	0	0*	2	139*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	2	145*	2	328*	0	0*	0	0*	4
	F	8	1	598*	0	0*	0	0*	0	0*	2	251*	2	83*	0	0*	0	0*	0	0*	1	507*	1	801*	1	474*	0
	T	18	1		2		0		0		2		2		0		0		2		3		1		1		4
GROVELAND	M	3	0	0*	1	196*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	1	187*	0	0*	0	0*	0	0*	1
	F	4	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	1	999*	1	216*	0	0*	0	0*	0	0*	0	0*	2
	T	7	0		1		0		0		0		0		1		1		1		0		0		0		3
HADLEY	M	9	0	0*	1	71*	0	0*	0	0*	2	134*	0	0*	0	0*	0	0*	2	120*	0	0*	0	0*	1	351*	3
	F	8	0	0*	0	0*	0	0*	0	0*	1	98*	6	255+	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	1
	T	17	0		1		0		0		3		6		0		0		2		0		0		1		4
HALIFAX	M	11	0	0*	3	152*	0	0*	1	410*	2	91*	0	0*	0	0*	0	0*	1	43*	1	129*	0	0*	0	0*	3
	F	10	0	0*	1	67*	0	0*	0	0*	2	166*	0	0*	1	371*	3	264*	0	0*	0	0*	0	0*	0	0*	3
	T	21	0		4		0		1		4		0		1		3		1		1		0		0		6
HAMILTON	M	14	2	439*	0	0*	0	0*	0	0*	1	41*	0	0*	0	0*	0	0*	3	137*	1	114*	0	0*	0	0*	7
	F	12	0	0*	2	93*	0	0*	0	0*	1	73*	6	176	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	3
	T	26	2		2		0		0		2		6		0		0		3		1		0		0		10
HAMPDEN	M	8	0	0*	1	72*	0	0*	0	0*	4	258*	0	0*	0	0*	0	0*	2	134*	0	0*	0	0*	0	0*	1
	F	10	0	0*	1	62*	0	0*	0	0*	1	80*	3	102*	0	0*	2	174*	0	0*	0	0*	0	0*	1	393*	2
	T	18	0		2		0		0		5		3		0		2		2		0		0		1		3

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1984 CANCER INCIDENCE

CITY-TOWN	SEX	ALL SITES	ST	PIR	CO RE	PIR	LI	PIR	PA	PIR	LU	PIR	BR	PIR	CE	PIR	UT	PIR	PR	PIR	BL	PIR	KI	PIR	HE RE	PIR	OTHER SITES
HANCOCK	M	0	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0
	F	1	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	1
	T	1	0		0		0		0		0		0		0		0		0		0		0		0		1
HANOVER	M	17	0	0*	3	115*	0	0*	0	0*	6	177	0	0*	0	0*	0	0*	2	77*	1	93*	0	0*	1	198*	4
	F	18	0	0*	3	154*	0	0*	1	337*	3	146*	4	69*	2	296*	3	134*	0	0*	0	0*	0	0*	0	0*	2
	T	35	0		6		0		1		9		4		2		3		2		1		0		1		6
HANSON	M	9	0	0*	2	126*	0	0*	0	0*	1	56*	0	0*	0	0*	0	0*	2	110*	0	0*	1	371*	0	0*	3
	F	15	0	0*	1	52*	0	0*	1	361*	3	198*	2	46*	2	420*	2	122*	0	0*	0	0*	0	0*	0	0*	4
	T	24	0		3		0		1		4		2		2		2		2		0		1		0		7
HARDWICK	M	11	0	0*	2	100*	0	0*	0	0*	3	138*	0	0*	0	0*	0	0*	2	80*	1	128*	0	0*	0	0*	3
	F	7	0	0*	3	261*	0	0*	0	0*	0	0*	2	97*	0	0*	1	123*	0	0*	0	0*	0	0*	0	0*	1
	T	18	0		5		0		0		3		2		0		1		2		1		0		0		4
HARVARD	M	8	0	0*	0	0*	0	0*	1	611*	0	0*	0	0*	0	0*	0	0*	4	249*	0	0*	0	0*	2	819*	1
	F	8	0	0*	1	75*	0	0*	0	0*	2	204*	2	86*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	3
	T	16	0		1		0		1		2		2		0		0		4		0		0		2		4
HARWICH	M	40	2	145*	8	113	0	0*	1	116*	6	81	0	0*	0	0*	0	0*	14	161	0	0*	1	87*	3	218*	5
	F	37	2	195*	7	88	0	0*	1	95*	1	27*	13	135	1	167*	2	56*	0	0*	0	0*	1	141*	0	0*	9
	T	77	4		15		0		2		7		13		1		2		14		0		2		3		14
HATFIELD	M	8	0	0*	2	159*	0	0*	0	0*	1	63*	1	999*	0	0*	0	0*	0	0*	1	195*	0	0*	2	837*	1
	F	10	0	0*	0	0*	0	0*	0	0*	4	359*	4	134*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	2
	T	18	0		2		0		0		5		5		0		0		0		1		0		2		3
HAVERHILL	M	77	1	37*	15	116	0	0*	1	60*	17	109	0	0*	0	0*	0	0*	11	79	5	96	1	42*	2	90*	24
	F	85	2	115*	21	157	0	0*	1	54*	8	91	20	81	2	87*	9	95	0	0*	5	238	2	136*	0	0*	15
	T	162	3		36		0		2		25		20		2		9		11		10		3		2		39
HAWLEY	M	2	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	2
	F	0	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0
	T	2	0		0		0		0		0		0		0		0		0		0		0		0		2
HEATH	M	1	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	1
	F	1	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	1
	T	2	0		0		0		0		0		0		0		0		0		0		0		0		2
HINGHAM	M	29	1	102*	7	155	0	0*	0	0*	6	112	0	0*	0	0*	0	0*	6	126	1	53*	2	227*	1	115*	5
	F	33	0	0*	4	83*	0	0*	0	0*	7	202	9	96	1	123*	1	27*	0	0*	1	131*	1	165*	1	83*	8
	T	62	1		11		0		0		13		9		1		1		6		2		3		2		13
HINSDALE	M	2	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	1	189*	0	0*	0	0*	0	0*	1
	F	2	0	0*	0	0*	0	0*	0	0*	1	450*	0	0*	0	0*	1	436*	0	0*	0	0*	0	0*	0	0*	0
	T	4	0		0		0		0		1		0		0		1		1		0		0		0		1

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MASSACHUSETTS DEPARTMENT OF PUBLIC HEALTH CANCER REGISTRY
1984 CANCER INCIDENCE

CITY-TOWN	SEX	ALL SITES	ST	PIR	CO RE	PIR	LI	PIR	PA	PIR	LU	PIR	BR	PIR	CE	PIR	UT	PIR	PR	PIR	BL	PIR	KI	PIR	HE RE	PIR	OTHER SITES
HOLBROOK	M	22	1	127*	5	141	0	0*	0	0*	2	44*	0	0*	0	0*	0	0*	4	112*	1	69*	2	284*	1	160*	6
	F	20	0	0*	2	60*	0	0*	1	213*	2	85*	4	68*	1	253*	4	173*	0	0*	0	0*	1	264*	1	194*	4
	T	42	1		7		0		1		4		4		1		4		4		1		3		2		10
HOLDEN	M	43	3	193*	6	83	0	0*	1	106*	8	87	0	0*	0	0*	0	0*	10	135	3	103*	3	219*	2	166*	7
	F	34	1	129*	2	34*	0	0*	3	373*	3	85*	8	85	0	0*	7	193	0	0*	2	226*	0	0*	2	181*	6
	T	77	4		8		0		4		11		8		0		7		10		5		3		4		13
HOLLAND	M	4	0	0*	1	136*	0	0*	0	0*	2	280*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	1
	F	2	0	0*	0	0*	0	0*	0	0*	0	0*	1	172*	0	0*	1	436*	0	0*	0	0*	0	0*	0	0*	0
	T	6	0		1		0		0		2		1		0		1		0		0		0		0		1
HOLLISTON	M	11	0	0*	3	236*	0	0*	0	0*	2	121*	0	0*	0	0*	0	0*	1	86*	0	0*	0	0*	1	124*	4
	F	16	0	0*	2	84*	0	0*	0	0*	4	209*	4	83*	0	0*	3	160*	0	0*	0	0*	0	0*	1	247*	2
	T	27	0		5		0		0		6		4		0		3		1		0		0		2		6
HOLYOKE	M	103	4	110*	24	138	0	0*	3	135*	20	96	0	0*	0	0*	0	0*	19	99	5	71	3	95*	2	68*	23
	F	135	1	32*	25	104	0	0*	5	153	15	102	39	103	0	0*	15	102	0	0*	5	137	5	201	5	131	20
	T	238	5		49		0		8		35		39		0		15		19		10		8		7		43
HOPEDALE	M	6	0	0*	1	96*	0	0*	0	0*	2	161*	0	0*	0	0*	0	0*	2	171*	0	0*	0	0*	0	0*	1
	F	16	0	0*	3	90*	0	0*	0	0*	7	406#	4	94*	0	0*	1	62*	0	0*	0	0*	0	0*	0	0*	1
	T	22	0		4		0		0		9		4		0		1		2		0		0		0		2
HOPKINTON	M	11	0	0*	1	59*	0	0*	0	0*	1	54*	0	0*	0	0*	0	0*	2	107*	1	141*	1	312*	2	593*	3
	F	11	0	0*	2	127*	0	0*	0	0*	2	155*	4	120*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	3
	T	22	0		3		0		0		3		4		0		0		2		1		1		2		6
HUBBARDSTON	M	3	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	3
	F	1	0	0*	0	0*	0	0*	0	0*	0	0*	1	367*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0
	T	4	0		0		0		0		0		1		0		0		0		0		0		0		3
HUDSON	M	29	1	98*	2	40*	0	0*	1	162*	7	123	0	0*	0	0*	0	0*	4	70*	4	201*	1	117*	1	118*	8
	F	30	0	0*	6	141	0	0*	3	524*	2	77*	5	55	1	92*	2	58*	0	0*	1	144*	2	480*	1	121*	7
	T	59	1		8		0		4		9		5		1		2		4		5		3		2		15
HULL	M	24	0	0*	2	49*	1	635*	0	0*	5	107	0	0*	0	0*	0	0*	6	129	3	182*	0	0*	0	0*	7
	F	27	1	189*	4	96*	1	999*	0	0*	2	69*	5	63	1	126*	3	99*	0	0*	1	150*	1	213*	2	277*	6
	T	51	1		6		2		0		7		5		1		3		6		4		1		2		13
HUNTINGTON	M	2	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	1	378*	0	0*	0	0*	0	0*	1
	F	4	1	999*	0	0*	0	0*	0	0*	2	374*	1	86*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0
	T	6	1		0		0		0		2		1		0		0		1		0		0		0		1
IPSWICH	M	30	0	0*	2	43*	0	0*	2	323*	3	51*	1	999*	0	0*	0	0*	6	125	2	105*	0	0*	1	91*	13
	F	27	0	0*	4	85*	0	0*	0	0*	3	104*	8	104	1	163*	0	0*	0	0*	2	283*	1	204*	4	542*	4
	T	57	0		6		0		2		6		9		1		0		6		4		1		5		17

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KINGSTON	M	14	3	611*	3	125*	0	0*	1	325*	0	0*	0	0*	0	0*	0	0*	3	115*	0	0*	0	0*	1	253*	3
	F	10	1	401*	2	117*	0	0*	0	0*	0	0*	3	116*	0	0*	0	0*	0	0*	1	379*	0	0*	0	0*	3
	T	24	4		5		0		1		0		3		0		0		3		1		0		1		6
LAKEVILLE	M	7	0	0*	0	0*	0	0*	1	651*	0	0*	0	0*	0	0*	0	0*	2	125*	1	198*	0	0*	0	0*	3
	F	14	0	0*	1	44*	0	0*	0	0*	0	0*	8	194	1	300*	2	125*	0	0*	0	0*	0	0*	0	0*	2
	T	21	0		1		0		1		0		8		1		2		2		1		0		0		5
LANCASTER	M	10	1	268*	5	279+	0	0*	0	0*	1	53*	0	0*	0	0*	0	0*	0	0*	0	0*	1	351*	1	342*	1
	F	11	0	0*	2	105*	0	0*	0	0*	2	181*	2	70*	0	0*	1	89*	0	0*	0	0*	0	0*	1	213*	3
	T	21	1		7		0		0		3		2		0		1		0		0		1		2		4
LANESBOROUGH	M	5	0	0*	0	0*	0	0*	0	0*	1	149*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	4
	F	5	0	0*	2	187*	0	0*	0	0*	0	0*	1	76*	0	0*	1	197*	0	0*	0	0*	0	0*	0	0*	1
	T	10	0		2		0		0		1		1		0		1		0		0		0		0		5
LAWRENCE	M	116	6	152	29	151+	0	0*	2	83*	22	100	0	0*	0	0*	0	0*	19	87	7	90	2	58*	3	78*	26
	F	129	5	187	21	98	2	689*	6	201	9	62	35	94	2	70*	15	104	0	0*	4	121*	2	82*	4	112*	24
	T	245	11		50		2		8		31		35		2		15		19		11		4		7		50
LEE	M	12	0	0*	2	99*	0	0*	0	0*	4	181*	0	0*	0	0*	0	0*	5	213	0	0*	0	0*	0	0*	1
	F	13	0	0*	1	47*	0	0*	0	0*	2	137*	6	159	2	633*	1	69*	0	0*	0	0*	0	0*	0	0*	1
	T	25	0		3		0		0		6		6		2		1		5		0		0		0		2
LEICESTER	M	19	1	178*	5	173	0	0*	0	0*	3	88*	0	0*	0	0*	0	0*	5	151	0	0*	1	177*	0	0*	4
	F	23	1	198*	3	76*	0	0*	1	188*	5	191	5	76	2	392*	0	0*	0	0*	0	0*	1	234*	2	326*	3
	T	42	2		8		0		1		8		5		2		0		5		0		2		2		7
LENOX	M	11	0	0*	1	54*	0	0*	0	0*	2	113*	0	0*	0	0*	0	0*	4	171*	0	0*	0	0*	0	0*	4
	F	11	0	0*	2	138*	0	0*	0	0*	0	0*	6	192	0	0*	2	161*	0	0*	0	0*	0	0*	0	0*	1
	T	22	0		3		0		0		2		6		0		2		4		0		0		0		5
LEOMINSTER	M	77	2	73*	9	71	0	0*	3	180*	16	100	0	0*	0	0*	0	0*	16	123	6	117	1	41*	2	92*	22
	F	69	1	64*	13	107	0	0*	2	122*	8	110	18	93	0	0*	8	108	0	0*	0	0*	0	0*	2	97*	17
	T	146	3		22		0		5		24		18		0		8		16		6		1		4		39
LEVERETT	M	0	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0
	F	3	0	0*	1	163*	0	0*	0	0*	0	0*	2	254*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0
	T	3	0		1		0		0		0		2		0		0		0		0		0		0		0
LEXINGTON	M	70	2	83*	6	51	2	431*	3	203*	9	68	0	0*	0	0*	0	0*	16	122	1	21*	4	191*	2	89*	25
	F	84	0	0*	5	41	0	0*	3	171*	11	119	27	107	2	83*	10	103	0	0*	0	0*	0	0*	3	137*	23
	T	154	2		11		2		6		20		27		2		10		16		1		4		5		48
LEYDEN	M	0	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0
	F	1	0	0*	0	0*	0	0*	0	0*	0	0*	1	367*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0
	T	1	0		0		0		0		0		1		0		0		0		0		0		0		0

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LINCOLN	M	14	0	0*	1	44*	0	0*	0	0*	1	38*	0	0*	0	0*	0	0*	6	233	1	110*	2	495*	0	0*	3
	F	14	0	0*	2	116*	0	0*	0	0*	1	62*	6	135	1	226*	1	58*	0	0*	0	0*	0	0*	0	0*	3
	T	28	0		3		0		0		2		6		1		1		6		1		2		0		6
LITTLETON	M	20	0	0*	4	122*	0	0*	0	0*	4	104*	0	0*	0	0*	0	0*	3	81*	0	0*	0	0*	2	337*	7
	F	14	0	0*	4	187*	1	999*	0	0*	2	150*	2	52*	0	0*	3	206*	0	0*	0	0*	0	0*	0	0*	2
	T	34	0		8		1		0		6		2		0		3		3		0		0		2		9
LONGMEADOW	M	32	0	0*	6	107	0	0*	1	144*	7	112	0	0*	0	0*	0	0*	9	136	1	45*	0	0*	1	108*	7
	F	35	0	0*	6	133	0	0*	1	154*	3	77*	15	138	0	0*	3	71*	0	0*	0	0*	1	168*	1	113*	5
	T	67	0		12		0		2		10		15		0		3		9		1		1		2		12
LOWELL	M	192	10	153	41	131	1	81*	3	76*	44	122	0	0*	0	0*	0	0*	27	78	11	87	2	35*	5	79	48
	F	212	4	83*	43	119	0	0*	7	144	16	73	57	95	4	80*	29	126	0	0*	6	108	4	107*	7	111	35
	T	404	14		84		1		10		60		57		4		29		27		17		6		12		83
LUDLOW	M	35	3	249*	4	67*	0	0*	1	134*	11	163	0	0*	0	0*	0	0*	2	30*	5	210	1	97*	1	98*	7
	F	35	1	163*	6	113	0	0*	1	132*	2	50*	11	106	1	99*	8	205	0	0*	0	0*	0	0*	1	108*	4
	T	70	4		10		0		2		13		11		1		8		2		5		1		2		11
LUNENBURG	M	9	0	0*	5	340+	0	0*	0	0*	2	113*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	2
	F	15	0	0*	3	148*	0	0*	0	0*	1	64*	5	109	1	199*	2	114*	0	0*	1	296*	1	406*	1	255*	0
	T	24	0		8		0		0		3		5		1		2		0		1		1		1		2
LYNN	M	184	3	48*	23	75	1	84*	6	156	50	140+	0	0*	0	0*	0	0*	42	122	11	90	8	145	5	77	35
	F	193	3	72*	37	113	0	0*	5	112	25	121	62	113	2	43*	18	86	0	0*	2	40*	3	84*	9	160	27
	T	377	6		60		1		11		75		62		2		18		42		13		11		14		62
LYNNFIELD	M	16	0	0*	2	72*	0	0*	3	854*	4	126*	0	0*	0	0*	0	0*	3	96*	2	179*	0	0*	2	444*	0
	F	24	1	229*	4	111*	0	0*	2	396*	2	80*	10	141	0	0*	1	38*	0	0*	0	0*	0	0*	1	152*	3
	T	40	1		6		0		5		6		10		0		1		3		2		0		3		3
MALDEN	M	140	6	124	24	102	4	461*	3	101*	31	111	1	471*	0	0*	0	0*	17	65	16	170+	4	94*	1	22*	33
	F	150	1	31*	27	108	0	0*	2	58*	18	114	57	132+	1	27*	10	60	0	0*	3	79*	2	75*	3	71*	26
	T	290	7		51		4		5		49		58		1		10		17		19		6		4		59
MANCHESTER	M	4	0	0*	2	299*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	1	145*	0	0*	0	0*	0	0*	1
	F	12	0	0*	1	72*	0	0*	0	0*	1	86*	6	159	0	0*	0	0*	0	0*	0	0*	0	0*	1	315*	3
	T	16	0		3		0		0		1		6		0		0		1		0		0		1		4
MANSFIELD	M	19	0	0*	4	127*	0	0*	2	523*	2	60*	0	0*	0	0*	0	0*	4	106*	2	159*	1	184*	1	126*	3
	F	21	1	217*	5	140	0	0*	1	204*	1	43*	5	82	3	648*	1	42*	0	0*	0	0*	0	0*	1	179*	3
	T	40	1		9		0		3		3		5		3		1		4		2		1		2		6
MARBLEHEAD	M	27	0	0*	6	149	0	0*	1	185*	4	76*	0	0*	0	0*	0	0*	3	77*	4	238*	0	0*	0	0*	9
	F	50	2	198*	3	39*	0	0*	2	190*	5	96	18	123	0	0*	6	105	0	0*	1	82*	1	117*	4	270*	8
	T	77	2		9		0		3		9		18		0		6		3		5		1		4		17

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MASSACHUSETTS DEPARTMENT OF PUBLIC HEALTH CANCER REGISTRY
1984 CANCER INCIDENCE

CITY-TOWN	SEX	ALL SITES	ST	PIR	CO RE	PIR	LI	PIR	PA	PIR	LU	PIR	BR	PIR	CE	PIR	UT	PIR	PR	PIR	BL	PIR	KI	PIR	HE RE	PIR	OTHER SITES
MARION	M	10	0	0*	1	57*	0	0*	0	0*	4	200*	0	0*	0	0*	0	0*	1	49*	0	0*	2	669*	1	353*	1
	F	13	0	0*	2	112*	0	0*	0	0*	0	0*	6	149	0	0*	3	190*	0	0*	0	0*	0	0*	1	300*	1
	T	23	0		3		0		0		4		6		0		3		1		0		2		2		2
MARLBOROUGH	M	52	2	110*	7	84	0	0*	1	92*	14	134	0	0*	0	0*	0	0*	8	95	5	147	4	246*	1	66*	10
	F	56	0	0*	7	79	0	0*	0	0*	7	110	17	103	3	218*	6	93	0	0*	0	0*	4	392*	1	69*	11
	T	108	2		14		0		1		21		17		3		6		8		5		8		2		21
MARSHFIELD	M	37	2	159*	5	85	0	0*	1	130*	6	82	0	0*	0	0*	0	0*	2	33*	4	167*	3	259*	3	232*	11
	F	41	1	143*	9	164	0	0*	1	129*	3	73*	10	80	0	0*	4	84*	0	0*	0	0*	0	0*	2	183*	11
	T	78	3		14		0		2		9		10		0		4		2		4		3		5		22
MASHPEE	M	6	0	0*	2	203*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	1	253*	0	0*	0	0*	3
	F	10	0	0*	2	116*	0	0*	0	0*	1	98*	2	70*	0	0*	3	274*	0	0*	0	0*	0	0*	0	0*	2
	T	16	0		4		0		0		1		2		0		3		0		1		0		0		5
MATTAPOISETT	M	10	0	0*	1	59*	0	0*	0	0*	2	93*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	7
	F	17	0	0*	2	66*	0	0*	0	0*	3	162*	5	104	0	0*	2	108*	0	0*	0	0*	1	325*	1	214*	3
	T	27	0		3		0		0		5		5		0		2		0		0		1		1		10
MAYNARD	M	19	0	0*	4	123*	0	0*	0	0*	5	129	0	0*	0	0*	0	0*	1	29*	1	77*	1	168*	0	0*	7
	F	16	0	0*	3	111*	0	0*	3	808*	2	107*	3	65*	0	0*	2	114*	0	0*	1	240*	1	321*	0	0*	1
	T	35	0		7		0		3		7		3		0		2		1		2		2		0		8
MEDFIELD	M	17	0	0*	1	37*	0	0*	0	0*	3	108*	0	0*	0	0*	0	0*	7	226	0	0*	1	208*	0	0*	5
	F	22	0	0*	4	130*	0	0*	0	0*	2	100*	9	142	0	0*	3	125*	0	0*	0	0*	0	0*	0	0*	4
	T	39	0		5		0		0		5		9		0		3		7		0		1		0		9
MEDFORD	M	149	11	205+	29	113	1	109*	4	125*	35	120	0	0*	0	0*	0	0*	20	69	13	126	4	90*	4	93*	28
	F	164	6	172	35	128	1	269*	4	105*	24	133	35	75	1	29*	17	94	0	0*	7	167	0	0*	4	79*	30
	T	313	17		64		2		8		59		35		1		17		20		20		4		8		58
MEDWAY	M	14	1	196*	1	44*	0	0*	0	0*	3	98*	0	0*	0	0*	0	0*	2	90*	2	215*	0	0*	1	258*	4
	F	9	0	0*	0	0*	0	0*	1	529*	1	90*	4	143*	0	0*	1	89*	0	0*	0	0*	0	0*	0	0*	2
	T	23	1		1		0		1		4		4		0		1		2		2		0		1		6
MELROSE	M	50	2	119*	8	99	0	0*	2	192*	11	112	0	0*	0	0*	0	0*	8	93	3	92*	0	0*	3	178*	13
	F	93	2	93*	18	109	0	0*	2	89*	16	163	21	82	1	52*	8	81	0	0*	2	81*	2	115*	1	34*	20
	T	143	4		26		0		4		27		21		1		8		8		5		2		4		33
MENDON	M	7	1	417*	1	94*	0	0*	0	0*	1	75*	0	0*	0	0*	0	0*	2	189*	0	0*	0	0*	0	0*	2
	F	7	0	0*	2	153*	0	0*	1	544*	0	0*	3	154*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	1
	T	14	1		3		0		1		1		3		0		0		2		0		0		0		3
MERRIMAC	M	7	0	0*	1	101*	0	0*	0	0*	1	86*	0	0*	0	0*	0	0*	2	187*	0	0*	0	0*	0	0*	3
	F	8	0	0*	0	0*	0	0*	0	0*	3	394*	4	151*	0	0*	1	100*	0	0*	0	0*	0	0*	0	0*	0
	T	15	0		1		0		0		4		4		0		1		2		0		0		0		3

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METHUEN	M	96	3	88*	14	85	1	168*	1	48*	22	111	1	621*	0	0*	0	0*	17	96	5	76	6	202	2	74*	24
	F	76	4	234*	16	123	0	0*	1	56*	6	73	22	101	2	129*	10	117	0	0*	1	50*	3	220*	0	0*	11
	T	172	7		30		1		2		28		23		2		10		17		6		9		2		35
MIDDLEBOROUGH	M	24	1	138*	0	0*	1	587*	1	221*	4	96*	0	0*	0	0*	0	0*	6	167	2	140*	3	407*	1	85*	5
	F	39	2	248*	6	95	0	0*	2	232*	3	71*	11	96	1	99*	2	46*	0	0*	0	0*	1	145*	2	192*	9
	T	63	3		6		1		3		7		11		1		2		6		2		4		3		14
MIDDLEFIELD	M	0	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0
	F	2	0	0*	0	0*	0	0*	0	0*	0	0*	1	144*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	1
	T	2	0		0		0		0		0		1		0		0		0		0		0		0		1
MIDDLETON	M	10	1	306*	0	0*	0	0*	0	0*	2	110*	0	0*	0	0*	0	0*	2	144*	1	163*	0	0*	0	0*	4
	F	9	0	0*	1	70*	0	0*	0	0*	0	0*	4	151*	0	0*	2	196*	0	0*	0	0*	0	0*	0	0*	2
	T	19	1		1		0		0		2		4		0		2		2		1		0		0		6
MILFORD	M	44	5	355#	4	59*	2	720*	2	226*	3	36*	0	0*	0	0*	0	0*	7	98	3	108*	2	152*	2	149*	14
	F	55	0	0*	12	132	0	0*	2	154*	7	109	17	106	2	161*	3	49*	0	0*	2	145*	0	0*	0	0*	10
	T	99	5		16		2		4		10		17		2		3		7		5		2		2		24
MILLBURY	M	35	2	173*	2	35*	0	0*	0	0*	4	60*	0	0*	0	0*	0	0*	7	111	3	131*	3	291*	1	94*	13
	F	33	1	147*	6	110	0	0*	0	0*	3	77*	13	140	0	0*	2	55*	0	0*	2	232*	0	0*	1	97*	5
	T	68	3		8		0		0		7		13		0		2		7		5		3		2		18
MILLIS	M	15	0	0*	2	86*	0	0*	1	354*	4	163*	0	0*	0	0*	0	0*	1	36*	2	213*	0	0*	1	112*	4
	F	5	0	0*	0	0*	0	0*	0	0*	0	0*	3	196*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	2
	T	20	0		2		0		1		4		3		0		0		1		2		0		1		6
MILLVILLE	M	2	0	0*	0	0*	0	0*	0	0*	1	214*	0	0*	0	0*	0	0*	0	0*	1	797*	0	0*	0	0*	0
	F	0	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0
	T	2	0		0		0		0		1		0		0		0		0		1		0		0		0
MILTON	M	55	0	0*	13	140	0	0*	0	0*	13	128	0	0*	0	0*	0	0*	13	119	0	0*	2	125*	2	109*	12
	F	69	5	302+	8	64	1	663*	4	241*	2	28*	20	103	0	0*	6	80	0	0*	1	53*	3	248*	3	158*	16
	T	124	5		21		1		4		15		20		0		6		13		1		5		5		28
MONROE	M	1	0	0*	0	0*	0	0*	0	0*	1	466*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0
	F	2	0	0*	0	0*	0	0*	0	0*	1	373*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	1
	T	3	0		0		0		0		2		0		0		0		0		0		0		0		1
MONSON	M	19	0	0*	0	0*	0	0*	0	0*	8	196	0	0*	0	0*	0	0*	3	83*	3	232*	0	0*	2	376*	3
	F	12	0	0*	2	122*	0	0*	0	0*	2	180*	3	89*	1	298*	2	155*	0	0*	0	0*	0	0*	1	203*	1
	T	31	0		2		0		0		10		3		1		2		3		3		0		3		4
MONTAGUE	M	22	0	0*	2	59*	1	739*	3	647*	3	68*	0	0*	0	0*	0	0*	2	63*	3	213*	2	280*	1	159*	5
	F	18	0	0*	3	87*	0	0*	0	0*	5	251	4	80*	0	0*	5	260	0	0*	0	0*	0	0*	1	202*	0
	T	40	0		5		1		3		8		4		0		5		2		3		2		2		5

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MONTEREY	M	3	0	0*	2	391*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	1	188*	0	0*	0	0*	0	0*	0
	F	1	0	0*	0	0*	0	0*	0	0*	0	0*	1	456*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0
	T	4	0		2		0		0		0		1		0		0		1		0		0		0		0
MONTGOMERY	M	0	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0
	F	0	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0
	T	0	0		0		0		0		0		0		0		0		0		0		0		0		0
MOUNT WASHINGTON	M	0	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0
	F	0	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0
	T	0	0		0		0		0		0		0		0		0		0		0		0		0		0
NAHANT	M	11	0	0*	4	218*	0	0*	1	410*	1	41*	0	0*	0	0*	0	0*	2	107*	1	136*	0	0*	0	0*	2
	F	12	1	330*	2	87*	0	0*	1	330*	1	75*	5	151	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	2
	T	23	1		6		0		2		2		5		0		0		2		1		0		0		4
NANTUCKET	M	5	0	0*	1	113*	0	0*	0	0*	1	105*	0	0*	0	0*	0	0*	1	99*	0	0*	0	0*	0	0*	2
	F	8	0	0*	1	121*	0	0*	0	0*	2	224*	2	77*	0	0*	0	0*	0	0*	0	0*	1	751*	0	0*	2
	T	13	0		2		0		0		3		2		0		0		1		0		1		0		4
NATICK	M	59	0	0*	8	86	0	0*	2	166*	10	90	0	0*	0	0*	0	0*	10	103	5	132	2	111*	0	0*	22
	F	77	2	110*	11	81	0	0*	2	111*	5	61	27	124	0	0*	9	106	0	0*	3	143*	0	0*	3	133*	15
	T	136	2		19		0		4		15		27		0		9		10		8		2		3		37
NEEDHAM	M	66	1	46*	16	144	1	232*	2	143*	7	55	0	0*	0	0*	0	0*	13	102	5	113	4	207*	1	51*	16
	F	70	3	191*	5	43	0	0*	2	126*	10	139	16	80	0	0*	10	129	0	0*	2	110*	3	247*	3	145*	16
	T	136	4		21		1		4		17		16		0		10		13		7		7		4		32
NEW ASHFORD	M	0	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0
	F	0	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0
	T	0	0		0		0		0		0		0		0		0		0		0		0		0		0
NEW BEDFORD	M	174	11	191+	28	101	1	89*	4	113*	42	130	0	0*	0	0*	0	0*	19	62-	15	133	4	77*	6	95	44
	F	200	6	135	41	120	1	233*	4	85*	14	66	47	84	7	160	24	112	0	0*	6	116	6	162	13	206+	31
	T	374	17		69		2		8		56		47		7		24		19		21		10		19		75
NEW BRAINTREE	M	3	0	0*	1	298*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	2
	F	0	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0
	T	3	0		1		0		0		0		0		0		0		0		0		0		0		2
NEW MARLBOROUGH	M	3	0	0*	1	421*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	2
	F	1	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	1
	T	4	0		1		0		0		0		0		0		0		0		0		0		0		3
NEW SALEM	M	2	0	0*	1	304*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	1
	F	0	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0
	T	2	0		1		0		0		0		0		0		0		0		0		0		0		1

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MASSACHUSETTS DEPARTMENT OF PUBLIC HEALTH CANCER REGISTRY
1984 CANCER INCIDENCE

CITY-TOWN	SEX	ALL SITES	ST	PIR	CO RE	PIR	LI	PIR	PA	PIR	LU	PIR	BR	PIR	CE	PIR	UT	PIR	PR	PIR	BL	PIR	KI	PIR	HE RE	PIR	OTHER SITES
NEWBURY	M	14	0	0*	3	127*	0	0*	0	0*	4	136*	0	0*	0	0*	0	0*	3	121*	0	0*	0	0*	0	0*	4
	F	5	0	0*	1	99*	0	0*	0	0*	0	0*	1	74*	0	0*	1	192*	0	0*	0	0*	1	999*	0	0*	1
	T	19	0		4		0		0		4		1		0		1		3		0		1		0		5
NEWBURYPORT	M	30	0	0*	5	98	0	0*	2	307*	4	65*	0	0*	0	0*	0	0*	4	70*	1	49*	1	110*	0	0*	13
	F	36	1	115*	10	152	0	0*	0	0*	3	80*	10	99	0	0*	3	77*	0	0*	0	0*	0	0*	2	200*	7
	T	66	1		15		0		2		7		10		0		3		4		1		1		2		20
NEWTON	M	209	1	14*	34	98	1	75*	3	68*	23	57=	1	284*	0	0*	0	0*	40	102	21	149	12	192+	7	103	66
	F	261	6	103	36	82	0	0*	5	84	25	93	93	125+	3	47*	28	98	0	0*	8	118	6	132	6	79	45
	T	470	7		70		1		8		48		94		3		28		40		29		18		13		111
NORFOLK	M	10	1	335*	1	73*	0	0*	0	0*	4	214*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	1	191*	3
	F	10	1	514*	0	0*	0	0*	0	0*	0	0*	4	134*	0	0*	3	259*	0	0*	0	0*	0	0*	0	0*	2
	T	20	2		1		0		0		4		4		0		3		0		0		0		1		5
NORTH ADAMS	M	42	1	68*	7	98	1	386*	0	0*	11	132	0	0*	0	0*	0	0*	5	61	4	140*	2	159*	2	139*	9
	F	47	1	91*	9	108	1	913*	1	89*	6	120	9	67	1	101*	7	134	0	0*	2	157*	0	0*	2	157*	8
	T	89	2		16		2		1		17		9		1		7		5		6		2		4		17
NORTH ANDOVER	M	36	0	0*	11	176	0	0*	1	130*	6	85	0	0*	0	0*	0	0*	7	96	1	40*	0	0*	3	285*	7
	F	46	1	118*	8	114	0	0*	0	0*	4	77*	14	102	2	162*	7	133	0	0*	1	91*	1	119*	1	83*	7
	T	82	1		19		0		1		10		14		2		7		7		2		1		4		14
NORTH ATTLEBORO	M	26	0	0*	2	50*	0	0*	1	192*	6	120	0	0*	0	0*	0	0*	3	72*	0	0*	0	0*	3	300*	11
	F	23	0	0*	5	133	1	999*	1	193*	2	82*	5	73	0	0*	2	74*	0	0*	1	166*	2	524*	0	0*	4
	T	49	0		7		1		2		8		5		0		2		3		1		2		3		15
NORTH BROOKFIELD	M	9	0	0*	0	0*	0	0*	0	0*	2	120*	0	0*	0	0*	0	0*	2	104*	1	155*	2	762*	0	0*	2
	F	5	0	0*	2	239*	0	0*	0	0*	1	150*	1	70*	0	0*	1	182*	0	0*	0	0*	0	0*	0	0*	0
	T	14	0		2		0		0		3		1		0		1		2		1		2		0		2
NORTH READING	M	16	0	0*	2	69*	0	0*	0	0*	5	168	0	0*	0	0*	0	0*	4	112*	0	0*	0	0*	0	0*	5
	F	20	1	311*	2	88*	1	999*	0	0*	1	53*	3	52*	0	0*	5	223	0	0*	1	258*	1	297*	0	0*	5
	T	36	1		4		1		0		6		3		0		5		4		1		1		0		10
NORTHAMPTON	M	53	1	55*	10	112	0	0*	2	183*	7	72	0	0*	0	0*	0	0*	13	123	1	28*	3	197*	4	222*	12
	F	49	1	96*	2	24*	0	0*	1	86*	9	165	17	124	0	0*	10	188	0	0*	1	79*	1	105*	0	0*	7
	T	102	2		12		0		3		16		17		0		10		13		2		4		4		19
NORTHBOROUGH	M	19	1	154*	6	210	0	0*	0	0*	4	107*	0	0*	0	0*	0	0*	2	73*	1	85*	1	163*	0	0*	4
	F	21	0	0*	3	102*	0	0*	0	0*	1	39*	8	123	1	188*	4	155*	0	0*	0	0*	1	262*	0	0*	3
	T	40	1		9		0		0		5		8		1		4		2		1		2		0		7
NORTHBRIDGE	M	32	2	189*	5	98	0	0*	0	0*	6	113	0	0*	0	0*	0	0*	9	152	1	48*	1	109*	0	0*	8
	F	22	0	0*	3	110*	0	0*	0	0*	2	90*	4	60*	0	0*	5	195	0	0*	1	217*	1	272*	0	0*	6
	T	54	2		8		0		0		8		4		0		5		9		2		2		0		14

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NORTHFIELD	M	2	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	1	189*	1	666*	0	0*	0	0*	0
	F	2	0	0*	0	0*	0	0*	0	0*	0	0*	2	291*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0
	T	4	0		0		0		0		0		2		0		0		1		1		0		0		0
NORTON	M	13	0	0*	1	45*	0	0*	0	0*	4	150*	1	999*	0	0*	0	0*	2	84*	0	0*	2	494*	1	273*	2
	F	13	0	0*	2	84*	0	0*	0	0*	3	212*	3	83*	0	0*	4	293*	0	0*	0	0*	0	0*	0	0*	1
	T	26	0		3		0		0		7		4		0		4		2		0		2		1		3
NORWELL	M	12	0	0*	1	62*	0	0*	0	0*	2	99*	0	0*	0	0*	0	0*	0	0*	3	434*	0	0*	1	166*	5
	F	19	0	0*	3	108*	0	0*	0	0*	1	63*	8	150	0	0*	0	0*	0	0*	0	0*	1	330*	1	141*	5
	T	31	0		4		0		0		3		8		0		0		0		3		1		2		10
NORWOOD	M	72	3	118*	16	129	0	0*	1	63*	14	97	0	0*	0	0*	0	0*	14	101	5	101	3	137*	1	49*	15
	F	75	1	63*	7	56	1	592*	2	116*	9	107	29	133	0	0*	9	106	0	0*	3	154*	3	217*	1	50*	10
	T	147	4		23		1		3		23		29		0		9		14		8		6		2		25
OAK BLUFFS	M	2	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	1	209*	0	0*	0	0*	0	0*	1
	F	10	0	0*	1	59*	0	0*	0	0*	2	205*	0	0*	1	332*	1	96*	0	0*	0	0*	0	0*	0	0*	5
	T	12	0		1		0		0		2		0		1		1		1		0		0		0		6
OAKHAM	M	0	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0
	F	2	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	1	356*	0	0*	1	999*	0	0*	0	0*	0
	T	2	0		0		0		0		0		0		0		1		0		1		0		0		0
ORANGE	M	12	0	0*	0	0*	0	0*	0	0*	1	44*	0	0*	0	0*	0	0*	4	164*	1	117*	1	281*	0	0*	5
	F	16	1	250*	4	133*	0	0*	0	0*	2	142*	5	114	0	0*	1	62*	0	0*	0	0*	1	375*	1	209*	1
	T	28	1		4		0		0		3		5		0		1		4		1		2		1		6
ORLEANS	M	18	0	0*	1	31*	0	0*	0	0*	1	28*	0	0*	0	0*	0	0*	11	286#	0	0*	0	0*	1	195*	4
	F	26	0	0*	6	119	0	0*	1	144*	2	67*	9	127	0	0*	3	110*	0	0*	0	0*	0	0*	1	139*	4
	T	44	0		7		0		1		3		9		0		3		11		0		0		2		8
OTIS	M	4	0	0*	1	190*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	2	342*	0	0*	0	0*	0	0*	1
	F	3	0	0*	0	0*	0	0*	0	0*	1	323*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	2
	T	7	0		1		0		0		1		0		0		0		2		0		0		0		3
OXFORD	M	22	1	125*	2	55*	0	0*	0	0*	7	146	0	0*	0	0*	0	0*	4	111*	1	68*	0	0*	0	0*	7
	F	22	0	0*	5	176	0	0*	0	0*	4	166*	5	80	0	0*	1	41*	0	0*	0	0*	0	0*	2	223*	5
	T	44	1		7		0		0		11		5		0		1		4		1		0		2		12
PALMER	M	36	2	169*	1	17*	0	0*	3	395*	5	71	0	0*	0	0*	0	0*	9	133	5	208	0	0*	3	282*	8
	F	31	2	343*	4	82*	0	0*	2	289*	6	165	6	66	1	133*	1	28*	0	0*	0	0*	1	168*	2	249*	6
	T	67	4		5		0		5		11		6		1		1		9		5		1		5		14
PAXTON	M	7	0	0*	1	85*	0	0*	1	647*	2	132*	0	0*	0	0*	0	0*	2	164*	0	0*	0	0*	0	0*	1
	F	4	0	0*	1	163*	0	0*	0	0*	0	0*	2	170*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	1
	T	11	0		2		0		1		2		2		0		0		2		0		0		0		2

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PEABODY	M	85	2	67*	16	109	1	185*	0	0*	21	129	0	0*	0	0*	0	0*	17	99	7	119	1	40*	0	0*	20
	F	103	1	50*	14	87	0	0*	2	89*	9	80	34	112	2	72*	9	77	0	0*	4	159*	5	270	2	73*	21
	T	188	3		30		1		2		30		34		2		9		17		11		6		2		41
PELHAM	M	1	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	1	310*	0	0*	0	0*	0	0*	0
	F	0	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0
	T	1	0		0		0		0		0		0		0		0		1		0		0		0		0
PEMBROKE	M	16	0	0*	4	149*	0	0*	1	291*	1	32*	0	0*	0	0*	0	0*	3	100*	1	93*	3	625*	0	0*	3
	F	17	0	0*	3	124*	0	0*	2	611*	4	274*	6	125	0	0*	1	55*	0	0*	0	0*	0	0*	1	155*	0
	T	33	0		7		0		3		5		6		0		1		3		1		3		1		3
PEPPERELL	M	19	2	312*	3	96*	0	0*	0	0*	3	86*	0	0*	0	0*	0	0*	3	83*	2	157*	1	183*	0	0*	5
	F	10	0	0*	0	0*	0	0*	0	0*	2	187*	4	127*	0	0*	1	82*	0	0*	0	0*	0	0*	0	0*	3
	T	29	2		3		0		0		5		4		0		1		3		2		1		0		8
PERU	M	3	0	0*	0	0*	0	0*	0	0*	1	223*	0	0*	0	0*	0	0*	1	313*	0	0*	0	0*	1	316*	0
	F	0	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0
	T	3	0		0		0		0		1		0		0		0		1		0		0		1		0
PETERSHAM	M	0	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0
	F	3	0	0*	0	0*	0	0*	0	0*	0	0*	1	127*	0	0*	0	0*	0	0*	1	999*	0	0*	0	0*	1
	T	3	0		0		0		0		0		1		0		0		0		1		0		0		1
PHILLIPSTON	M	4	0	0*	2	265*	0	0*	0	0*	1	136*	0	0*	0	0*	0	0*	1	103*	0	0*	0	0*	0	0*	0
	F	0	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0
	T	4	0		2		0		0		1		0		0		0		1		0		0		0		0
PITTSFIELD	M	101	2	57*	23	135	1	160*	2	93*	14	70	0	0*	0	0*	0	0*	17	88	11	161	5	166	2	68*	24
	F	114	1	42*	17	94	0	0*	1	40*	16	133	37	113	2	73*	12	94	0	0*	2	70*	1	50*	1	28*	24
	T	215	3		40		1		3		30		37		2		12		17		13		6		3		48
PLAINFIELD	M	1	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	1
	F	0	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0
	T	1	0		0		0		0		0		0		0		0		0		0		0		0		1
PLAINVILLE	M	6	0	0*	1	104*	0	0*	0	0*	1	90*	0	0*	0	0*	0	0*	1	89*	0	0*	1	591*	1	538*	1
	F	16	0	0*	1	38*	0	0*	0	0*	1	51*	4	85*	0	0*	0	0*	0	0*	2	493*	2	631*	0	0*	6
	T	22	0		2		0		0		2		4		0		0		1		2		3		1		7
PLYMOUTH	M	68	2	88*	10	91	0	0*	0	0*	14	113	1	946*	0	0*	0	0*	11	88	4	90*	2	100*	3	111*	21
	F	82	1	60*	17	131	0	0*	2	113*	14	166	22	93	4	170*	6	67	0	0*	1	50*	1	69*	0	0*	14
	T	150	3		27		0		2		28		23		4		6		11		5		3		3		35
PLYMPTON	M	2	0	0*	1	304*	0	0*	0	0*	1	223*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0
	F	1	0	0*	1	543*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0
	T	3	0		2		0		0		1		0		0		0		0		0		0		0		0

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PRINCETON	M	2	1	999*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	1
	F	4	0	0*	2	280*	0	0*	0	0*	1	204*	1	89*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0
	T	6	1		2		0		0		1		1		0		0		0		0		0		0		1
PROVINCETOWN	M	12	0	0*	1	61*	1	999*	0	0*	1	45*	0	0*	0	0*	0	0*	2	139*	0	0*	1	265*	0	0*	6
	F	7	0	0*	1	77*	0	0*	1	644*	0	0*	2	102*	0	0*	0	0*	0	0*	1	475*	0	0*	0	0*	2
	T	19	0		2		1		1		1		2		0		0		2		1		1		0		8
QUINCY	M	225	10	129	43	113	0	0*	4	83*	38	85	0	0*	0	0*	0	0*	51	120	10	66	3	45*	5	76	61
	F	263	4	66*	45	97	1	175*	8	127	25	90	74	101	5	89	29	103	0	0*	4	57*	7	145	7	88	54
	T	488	14		88		1		12		63		74		5		29		51		14		10		12		115
RANDOLPH	M	53	0	0*	8	86	1	300*	0	0*	16	150	0	0*	0	0*	0	0*	8	76	4	108*	1	62*	0	0*	15
	F	74	2	133*	15	126	0	0*	2	121*	10	125	16	75	2	109*	4	49*	0	0*	0	0*	2	148*	3	139*	18
	T	127	2		23		1		2		26		16		2		4		8		4		3		3		33
RAYNHAM	M	9	0	0*	4	308*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	1	185*	1	365*	1	359*	2
	F	10	0	0*	1	72*	0	0*	0	0*	2	195*	3	98*	0	0*	0	0*	0	0*	0	0*	0	0*	1	379*	3
	T	19	0		5		0		0		2		3		0		0		0		1		1		2		5
READING	M	57	3	148*	5	52	0	0*	3	250*	14	128	0	0*	0	0*	0	0*	15	138	7	180	1	59*	1	60*	8
	F	49	4	501*	10	153	1	943*	0	0*	4	74*	13	86	3	193*	3	52*	0	0*	1	91*	0	0*	1	80*	9
	T	106	7		15		1		3		18		13		3		3		15		8		1		2		17
REHOBOTH	M	3	0	0*	1	178*	0	0*	0	0*	2	357*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0
	F	7	0	0*	1	93*	0	0*	1	637*	0	0*	3	142*	0	0*	1	119*	0	0*	0	0*	0	0*	0	0*	1
	T	10	0		2		0		1		2		3		0		1		0		0		0		0		1
REVERE	M	106	2	54*	15	85	3	458*	1	44*	19	90	0	0*	0	0*	0	0*	11	57	12	168	7	217	4	130*	32
	F	92	3	161*	13	87	0	0*	1	49*	13	127	27	102	5	225	8	78	0	0*	4	172*	5	293+	4	153*	9
	T	198	5		28		3		2		32		27		5		8		11		16		12		8		41
RICHMOND	M	2	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	1	313*	0	0*	0	0*	0	0*	1
	F	1	0	0*	1	999*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0
	T	3	0		1		0		0		0		0		0		0		1		0		0		0		1
ROCHESTER	M	5	0	0*	0	0*	0	0*	1	988*	1	107*	0	0*	0	0*	0	0*	1	116*	0	0*	1	692*	0	0*	1
	F	3	0	0*	1	347*	0	0*	0	0*	0	0*	0	0*	1	999*	0	0*	0	0*	0	0*	0	0*	1	388*	0
	T	8	0		1		0		1		1		0		1		0		1		0		1		1		1
ROCKLAND	M	27	2	209*	8	180	0	0*	0	0*	9	162	0	0*	0	0*	0	0*	2	43*	2	111*	0	0*	0	0*	4
	F	33	0	0*	3	59*	1	999*	0	0*	4	111*	11	111	1	118*	2	52*	0	0*	1	124*	1	174*	0	0*	9
	T	60	2		11		1		0		13		11		1		2		2		3		1		0		13
ROCKPORT	M	21	2	267*	6	173	0	0*	0	0*	2	53*	0	0*	0	0*	0	0*	4	102*	1	70*	0	0*	0	0*	6
	F	17	1	260*	2	71*	0	0*	0	0*	3	188*	5	116	0	0*	2	120*	0	0*	0	0*	0	0*	2	246*	2
	T	38	3		8		0		0		5		5		0		2		4		1		0		2		8

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MASSACHUSETTS DEPARTMENT OF PUBLIC HEALTH CANCER REGISTRY
1984 CANCER INCIDENCE

CITY-TOWN	SEX	ALL SITES	ST	PIR	CO RE	PIR	LI	PIR	PA	PIR	LU	PIR	BR	PIR	CE	PIR	UT	PIR	PR	PIR	BL	PIR	KI	PIR	HE RE	PIR	OTHER SITES
ROWE	M	1	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	1
	F	0	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0
	T	1	0		0		0		0		0		0		0		0		0		0		0		0		1
ROWLEY	M	3	0	0*	0	0*	0	0*	0	0*	1	155*	0	0*	0	0*	0	0*	2	310*	0	0*	0	0*	0	0*	0
	F	6	0	0*	1	159*	0	0*	0	0*	1	160*	0	0*	0	0*	1	140*	0	0*	1	885*	0	0*	1	648*	1
	T	9	0		1		0		0		2		0		0		1		2		1		0		1		1
ROYALSTON	M	0	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0
	F	2	0	0*	1	271*	0	0*	0	0*	1	374*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0
	T	2	0		1		0		0		1		0		0		0		0		0		0		0		0
RUSSELL	M	1	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	1
	F	4	0	0*	0	0*	0	0*	0	0*	0	0*	4	318*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0
	T	5	0		0		0		0		0		4		0		0		0		0		0		0		1
RUTLAND	M	4	0	0*	2	274*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	2	220*	0	0*	0	0*	0	0*	0
	F	7	0	0*	4	243*	0	0*	0	0*	1	152*	1	58*	0	0*	1	155*	0	0*	0	0*	0	0*	0	0*	0
	T	11	0		6		0		0		1		1		0		1		2		0		0		0		0
SALEM	M	72	1	39*	11	90	1	222*	1	65*	21	150	0	0*	0	0*	0	0*	11	79	4	81*	3	140*	4	192*	15
	F	76	2	135*	12	102	0	0*	3	183*	7	87	21	97	3	157*	5	60	0	0*	3	167*	2	141*	9	354#	9
	T	148	3		23		1		4		28		21		3		5		11		7		5		13		24
SALISBURY	M	24	0	0*	3	84*	1	657*	0	0*	1	21*	0	0*	0	0*	0	0*	2	60*	5	342+	3	385*	1	108*	8
	F	17	0	0*	3	136*	0	0*	0	0*	2	104*	4	76*	1	180*	2	99*	0	0*	3	813*	0	0*	0	0*	2
	T	41	0		6		1		0		3		4		1		2		2		8		3		1		10
SANDISFIELD	M	4	0	0*	0	0*	0	0*	1	999*	1	163*	0	0*	0	0*	0	0*	1	93*	1	325*	0	0*	0	0*	0
	F	4	0	0*	0	0*	0	0*	0	0*	0	0*	2	172*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	2
	T	8	0		0		0		1		1		2		0		0		1		1		0		0		2
SANDWICH	M	24	2	258*	6	163	0	0*	0	0*	4	90*	0	0*	0	0*	0	0*	2	51*	1	66*	1	141*	1	135*	7
	F	22	0	0*	6	158	1	999*	1	194*	2	88*	6	96	0	0*	3	128*	0	0*	0	0*	0	0*	0	0*	3
	T	46	2		12		1		1		6		6		0		3		2		1		1		1		10
SAUGUS	M	65	3	131*	15	138	1	242*	1	73*	13	104	0	0*	0	0*	0	0*	6	50	7	159	1	51*	2	106*	16
	F	66	1	84*	12	120	0	0*	1	70*	10	135	19	97	2	110*	3	40*	0	0*	3	191*	1	82*	1	58*	13
	T	131	4		27		1		2		23		19		2		3		6		10		2		3		29
SAVOY	M	1	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	1	378*	0	0*	0	0*	0	0*	0
	F	1	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	1
	T	2	0		0		0		0		0		0		0		0		1		0		0		0		1
SCITUATE	M	27	1	116*	5	121	0	0*	0	0*	5	96	0	0*	0	0*	0	0*	5	117	2	120*	0	0*	1	81*	8
	F	39	2	246*	5	79	0	0*	0	0*	5	114	8	70	1	110*	4	89*	0	0*	0	0*	2	285*	0	0*	12
	T	66	3		10		0		0		10		8		1		4		5		2		2		1		20

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MASSACHUSETTS DEPARTMENT OF PUBLIC HEALTH CANCER REGISTRY
1984 CANCER INCIDENCE

CITY-TOWN	SEX	ALL SITES	ST	PIR	CO RE	PIR	LI	PIR	PA	PIR	LU	PIR	BR	PIR	CE	PIR	UT	PIR	PR	PIR	BL	PIR	KI	PIR	HE RE	PIR	OTHER SITES
SEEKONK	M	3	0	0*	1	273*	0	0*	0	0*	1	233*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	1
	F	5	0	0*	1	139*	0	0*	0	0*	1	204*	1	66*	0	0*	0	0*	0	0*	0	0*	1	999*	0	0*	1
	T	8	0		2		0		0		2		1		0		0		0		0		1		0		2
SHARON	M	21	1	143*	4	127*	0	0*	1	235*	1	24*	0	0*	0	0*	0	0*	4	132*	2	153*	1	151*	0	0*	7
	F	15	0	0*	1	49*	0	0*	2	693*	2	136*	4	88*	0	0*	1	59*	0	0*	1	302*	0	0*	0	0*	4
	T	36	1		5		0		3		3		4		0		1		4		3		1		0		11
SHEFFIELD	M	0	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0
	F	5	0	0*	1	101*	0	0*	0	0*	0	0*	2	145*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	2
	T	5	0		1		0		0		0		2		0		0		0		0		0		0		2
SHELBURNE	M	15	0	0*	2	80*	0	0*	0	0*	3	104*	0	0*	0	0*	0	0*	6	217	2	198*	0	0*	0	0*	2
	F	11	0	0*	2	116*	0	0*	0	0*	2	160*	2	62*	1	359*	2	160*	0	0*	0	0*	0	0*	0	0*	2
	T	26	0		4		0		0		5		2		1		2		6		2		0		0		4
SHERBORN	M	3	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	3
	F	8	0	0*	1	104*	0	0*	0	0*	0	0*	4	156*	0	0*	0	0*	0	0*	1	584*	0	0*	2	999*	0
	T	11	0		1		0		0		0		4		0		0		0		1		0		2		3
SHIRLEY	M	5	0	0*	1	115*	0	0*	0	0*	1	101*	0	0*	0	0*	0	0*	2	208*	0	0*	0	0*	0	0*	1
	F	10	0	0*	0	0*	0	0*	0	0*	1	90*	7	246+	1	322*	0	0*	0	0*	0	0*	0	0*	0	0*	1
	T	15	0		1		0		0		2		7		1		0		2		0		0		0		2
SHREWSBURY	M	53	0	0*	9	112	0	0*	2	193*	6	63	0	0*	0	0*	0	0*	12	140	3	91*	2	126*	0	0*	19
	F	48	0	0*	7	101	1	947*	2	200*	3	52*	14	96	4	314*	4	71*	0	0*	1	88*	0	0*	2	165*	10
	T	101	0		16		1		4		9		14		4		4		12		4		2		2		29
SHUTESBURY	M	0	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0
	F	0	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0
	T	0	0		0		0		0		0		0		0		0		0		0		0		0		0
SOMERSET	M	47	0	0*	11	137	0	0*	3	301*	8	93	0	0*	0	0*	0	0*	6	64	1	31*	1	73*	2	145*	15
	F	33	0	0*	6	112	0	0*	1	135*	4	107*	7	72	0	0*	1	26*	0	0*	1	117*	2	340*	1	118*	10
	T	80	0		17		0		4		12		7		0		1		6		2		3		3		25
SOMERVILLE	M	158	6	108	27	100	1	101*	3	88*	32	101	0	0*	0	0*	0	0*	31	103	9	83	3	63*	4	88*	42
	F	167	6	168	25	89	0	0*	3	77*	15	83	45	94	8	211	10	54	0	0*	10	233+	5	164	4	86*	36
	T	325	12		52		1		6		47		45		8		10		31		19		8		8		78
SOUTH HADLEY	M	40	0	0*	10	147	0	0*	2	235*	7	93	0	0*	0	0*	0	0*	4	51*	2	74*	1	84*	2	145*	12
	F	37	2	243*	6	94	0	0*	1	115*	2	50*	8	75	2	242*	10	242#	0	0*	0	0*	0	0*	0	0*	6
	T	77	2		16		0		3		9		8		2		10		4		2		1		2		18
SOUTHAMPTON	M	4	1	651*	1	157*	0	0*	0	0*	1	114*	0	0*	0	0*	0	0*	0	0*	1	380*	0	0*	0	0*	0
	F	6	0	0*	1	107*	0	0*	0	0*	1	125*	2	113*	0	0*	1	145*	0	0*	0	0*	0	0*	1	669*	0
	T	10	1		2		0		0		2		2		0		1		0		1		0		1		0

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SOUTHBOROUGH	M	9	0	0*	1	66*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	2	126*	0	0*	1	352*	0	0*	5
	F	6	0	0*	2	205*	0	0*	0	0*	0	0*	3	169*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	1
	T	15	0		3		0		0		0		3		0		0		2		0		1		0		6
SOUTHBRIDGE	M	30	2	188*	1	19*	1	545*	0	0*	5	80	1	999*	0	0*	0	0*	5	89	4	195*	0	0*	1	118*	10
	F	49	1	104*	5	65	0	0*	1	93*	6	108	14	96	0	0*	9	158	0	0*	2	163*	0	0*	1	79*	10
	T	79	3		6		1		1		11		15		0		9		5		6		0		2		20
SOUTHWICK	M	10	1	279*	1	58*	0	0*	0	0*	1	49*	0	0*	0	0*	0	0*	1	54*	0	0*	1	321*	0	0*	5
	F	11	0	0*	0	0*	0	0*	0	0*	0	0*	3	88*	0	0*	3	237*	0	0*	1	440*	0	0*	0	0*	4
	T	21	1		1		0		0		1		3		0		3		1		1		1		0		9
SPENCER	M	28	1	106*	9	203	0	0*	1	177*	3	60*	0	0*	0	0*	0	0*	10	206+	1	55*	0	0*	0	0*	3
	F	25	1	177*	5	118	0	0*	1	172*	4	161*	9	131	0	0*	1	38*	0	0*	1	158*	0	0*	1	116*	2
	T	53	2		14		0		2		7		9		0		1		10		2		0		1		5
SPRINGFIELD	M	303	14	133	52	104	2	105*	8	127	53	92	0	0*	0	0*	0	0*	43	78	21	104	11	122	10	107	89
	F	313	5	78	50	100	0	0*	5	72	35	104	89	99	4	53*	35	100	0	0*	11	141	7	124	6	64	66
	T	616	19		102		2		13		88		89		4		35		43		32		18		16		155
STERLING	M	5	2	999*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	1	134*	0	0*	0	0*	2	999*	0
	F	5	1	737*	1	99*	0	0*	0	0*	0	0*	3	223*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0
	T	10	3		1		0		0		0		3		0		0		1		0		0		2		0
STOCKBRIDGE	M	3	1	999*	2	363*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0
	F	6	0	0*	0	0*	0	0*	0	0*	2	302*	3	185*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	1
	T	9	1		2		0		0		2		3		0		0		0		0		0		0		1
STONEHAM	M	58	3	156*	4	42*	0	0*	1	83*	12	108	1	999*	0	0*	0	0*	9	84	5	130	2	116*	1	52*	20
	F	52	1	94*	8	92	0	0*	0	0*	11	190+	9	60	1	82*	6	104	0	0*	3	229*	0	0*	2	143*	11
	T	110	4		12		0		1		23		10		1		6		9		8		2		3		31
STOUGHTON	M	51	0	0*	8	105	0	0*	1	101*	12	135	0	0*	0	0*	0	0*	7	86	1	31*	1	66*	2	111*	19
	F	52	1	94*	5	65	0	0*	2	191*	6	114	19	126	1	72*	5	85	0	0*	1	79*	1	114*	1	58*	10
	T	103	1		13		0		3		18		19		1		5		7		2		2		3		29
STOW	M	7	0	0*	1	99*	0	0*	0	0*	1	69*	0	0*	0	0*	0	0*	1	118*	1	236*	0	0*	0	0*	3
	F	10	0	0*	5	449#	0	0*	1	592*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	4
	T	17	0		6		0		1		1		0		0		0		1		1		0		0		7
STURBRIDGE	M	8	0	0*	1	79*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	3	224*	0	0*	0	0*	0	0*	4
	F	7	1	999*	1	128*	0	0*	0	0*	0	0*	2	87*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	3
	T	15	1		2		0		0		0		2		0		0		3		0		0		0		7
SUDBURY	M	27	1	105*	0	0*	1	603*	1	176*	5	95	0	0*	0	0*	0	0*	6	130	1	56*	1	120*	1	127*	10
	F	18	0	0*	3	151*	0	0*	0	0*	2	102*	3	55*	1	172*	4	186*	0	0*	0	0*	0	0*	0	0*	5
	T	45	1		3		1		1		7		3		1		4		6		1		1		1		15

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MASSACHUSETTS DEPARTMENT OF PUBLIC HEALTH CANCER REGISTRY
1984 CANCER INCIDENCE

CITY-TOWN	SEX	ALL SITES	ST	PIR	CO RE	PIR	LI	PIR	PA	PIR	LU	PIR	BR	PIR	CE	PIR	UT	PIR	PR	PIR	BL	PIR	KI	PIR	HE RE	PIR	OTHER SITES
SUNDERLAND	M	4	0	0*	1	157*	0	0*	0	0*	1	114*	0	0*	0	0*	0	0*	1	173*	0	0*	0	0*	0	0*	1
	F	3	0	0*	0	0*	0	0*	0	0*	0	0*	2	281*	0	0*	1	363*	0	0*	0	0*	0	0*	0	0*	0
	T	7	0		1		0		0		1		2		0		1		1		0		0		0		1
SUTTON	M	11	0	0*	2	108*	0	0*	0	0*	2	131*	0	0*	0	0*	0	0*	2	85*	1	132*	0	0*	0	0*	4
	F	12	0	0*	0	0*	0	0*	0	0*	1	94*	4	113*	0	0*	4	293*	0	0*	0	0*	0	0*	1	207*	2
	T	23	0		2		0		0		3		4		0		4		2		1		0		1		6
SWAMPSCOTT	M	34	0	0*	4	73*	0	0*	0	0*	7	108	1	999*	0	0*	0	0*	10	165	2	90*	0	0*	3	246*	7
	F	39	1	114*	9	134	0	0*	0	0*	4	96*	9	81	0	0*	4	93*	0	0*	1	96*	0	0*	1	94*	10
	T	73	1		13		0		0		11		10		0		4		10		3		0		4		17
SWANSEA	M	18	1	164*	0	0*	1	875*	0	0*	5	144	0	0*	0	0*	0	0*	2	75*	2	179*	0	0*	1	134*	6
	F	28	0	0*	6	113	0	0*	1	134*	3	94*	5	65	0	0*	4	135*	0	0*	0	0*	1	177*	0	0*	8
	T	46	1		6		1		1		8		5		0		4		2		2		1		1		14
TAUNTON	M	64	5	237	7	72	0	0*	2	155*	13	107	0	0*	0	0*	0	0*	6	60	3	74*	1	51*	2	93*	25
	F	51	2	220*	5	67	0	0*	1	94*	4	71*	22	146	2	144*	6	103	0	0*	1	85*	1	107*	0	0*	7
	T	115	7		12		0		3		17		22		2		6		6		4		2		2		32
TEMPLETON	M	14	0	0*	4	164*	0	0*	0	0*	2	71*	0	0*	0	0*	0	0*	1	36*	2	205*	1	241*	2	492*	2
	F	18	0	0*	2	74*	0	0*	1	258*	1	48*	5	93	0	0*	2	97*	0	0*	0	0*	2	583*	0	0*	5
	T	32	0		6		0		1		3		5		0		2		1		2		3		2		7
TEWKSBURY	M	35	1	80*	4	72*	0	0*	2	269*	11	151	0	0*	0	0*	0	0*	4	75*	3	132*	0	0*	1	100*	9
	F	32	1	168*	5	107	0	0*	2	301*	2	58*	10	103	1	110*	3	80*	0	0*	1	131*	0	0*	0	0*	7
	T	67	2		9		0		4		13		10		1		3		4		4		0		1		16
TISBURY	M	4	0	0*	0	0*	0	0*	0	0*	2	234*	0	0*	0	0*	0	0*	0	0*	1	371*	0	0*	0	0*	1
	F	13	0	0*	1	44*	0	0*	0	0*	1	78*	2	55*	1	295*	1	74*	0	0*	0	0*	1	422*	0	0*	6
	T	17	0		1		0		0		3		2		1		1		0		1		1		0		7
TOLLAND	M	2	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	1	155*	1	591*	0	0*	0	0*	0
	F	0	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0
	T	2	0		0		0		0		0		0		0		0		1		1		0		0		0
TOPSFIELD	M	4	0	0*	1	185*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	1	801*	0	0*	2
	F	5	1	830*	0	0*	0	0*	0	0*	2	454*	1	70*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	1
	T	9	1		1		0		0		2		1		0		0		0		0		1		0		3
TOWNSEND	M	14	0	0*	1	44*	0	0*	0	0*	2	70*	0	0*	0	0*	0	0*	7	285#	1	109*	1	233*	0	0*	2
	F	18	0	0*	3	130*	0	0*	0	0*	1	46*	5	89	0	0*	3	137*	0	0*	0	0*	0	0*	2	456*	4
	T	32	0		4		0		0		3		5		0		3		7		1		1		2		6
TRURO	M	5	0	0*	2	222*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	2	186*	0	0*	0	0*	1	717*	0
	F	4	0	0*	0	0*	0	0*	0	0*	0	0*	2	154*	0	0*	0	0*	0	0*	1	999*	0	0*	0	0*	1
	T	9	0		2		0		0		0		2		0		0		2		1		0		1		1

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1984 CANCER INCIDENCE

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TYNGSBOROUGH	M	5	0	0*	0	0*	0	0*	0	0*	3	359*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	2
	F	3	0	0*	1	317*	0	0*	0	0*	0	0*	1	104*	1	766*	0	0*	0	0*	0	0*	0	0*	0	0*	0
	T	8	0		1		0		0		3		1		1		0		0		0		0		0		2
TYRINGHAM	M	0	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0
	F	0	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0
	T	0	0		0		0		0		0		0		0		0		0		0		0		0		0
UPTON	M	9	0	0*	1	68*	0	0*	0	0*	3	176*	0	0*	0	0*	0	0*	3	182*	0	0*	0	0*	0	0*	2
	F	8	1	666*	0	0*	0	0*	0	0*	2	225*	3	129*	0	0*	1	114*	0	0*	0	0*	1	659*	0	0*	0
	T	17	1		1		0		0		5		3		0		1		3		0		1		0		2
UXBRIDGE	M	18	1	158*	4	128*	0	0*	0	0*	3	80*	0	0*	0	0*	0	0*	4	115*	2	161*	1	181*	0	0*	3
	F	18	1	242*	5	156	0	0*	1	230*	1	51*	5	98	0	0*	3	153*	0	0*	1	205*	0	0*	0	0*	1
	T	36	2		9		0		1		4		5		0		3		4		3		1		0		4
WAKEFIELD	M	54	3	165*	8	94	0	0*	2	184*	10	101	0	0*	0	0*	0	0*	12	131	4	115*	2	123*	0	0*	13
	F	67	0	0*	8	79	0	0*	2	140*	8	110	25	128	1	60*	9	119	0	0*	2	126*	0	0*	3	144*	9
	T	121	3		16		0		4		18		25		1		9		12		6		2		3		22
WALES	M	2	0	0*	0	0*	0	0*	0	0*	1	233*	0	0*	0	0*	0	0*	0	0*	0	0*	1	999*	0	0*	0
	F	6	0	0*	1	108*	0	0*	0	0*	0	0*	1	57*	0	0*	1	153*	0	0*	0	0*	0	0*	1	614*	2
	T	8	0		1		0		0		1		1		0		1		0		0		1		1		2
WALPOLE	M	24	1	135*	7	196	0	0*	2	418*	5	110	0	0*	0	0*	0	0*	1	27*	0	0*	0	0*	2	213*	6
	F	42	2	269*	5	81	0	0*	1	113*	4	86*	16	130	0	0*	7	149	0	0*	0	0*	1	127*	1	79*	5
	T	66	3		12		0		3		9		16		0		7		1		0		1		3		11
WALTHAM	M	110	3	76*	19	103	4	592*	1	43*	21	97	0	0*	0	0*	0	0*	14	70	9	121	6	179	2	63*	31
	F	124	1	42*	21	111	0	0*	2	75*	14	106	37	101	4	115*	13	93	0	0*	2	68*	2	91*	4	115*	24
	T	234	4		40		4		3		35		37		4		13		14		11		8		6		55
WARE	M	29	0	0*	7	138	0	0*	1	157*	3	50*	0	0*	0	0*	0	0*	9	155	3	149*	0	0*	0	0*	6
	F	27	1	160*	2	41*	0	0*	1	151*	2	77*	9	120	0	0*	5	179	0	0*	3	429*	0	0*	1	129*	3
	T	56	1		9		0		2		5		9		0		5		9		6		0		1		9
WAREHAM	M	33	0	0*	3	54*	1	457*	2	290*	6	101	0	0*	0	0*	0	0*	5	78	0	0*	1	105*	2	204*	13
	F	33	0	0*	5	93	0	0*	2	269*	2	59*	9	94	1	108*	3	83*	0	0*	3	369*	1	171*	1	110*	6
	T	66	0		8		1		4		8		9		1		3		5		3		2		3		19
WARREN	M	10	0	0*	4	237*	0	0*	0	0*	5	229	0	0*	0	0*	0	0*	0	0*	0	0*	1	314*	0	0*	0
	F	10	0	0*	1	77*	0	0*	0	0*	1	86*	5	159	1	351*	0	0*	0	0*	1	449*	1	570*	0	0*	0
	T	20	0		5		0		0		6		5		1		0		0		1		2		0		0
WARWICK	M	1	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	1	999*	0	0*	0
	F	4	0	0*	1	140*	0	0*	0	0*	0	0*	2	177*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	1
	T	5	0		1		0		0		0		2		0		0		0		0		1		0		1

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WASHINGTON	M	2	0	0*	0	0*	0	0*	0	0*	1	223*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	1
	F	1	0	0*	0	0*	0	0*	0	0*	0	0*	1	456*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0
	T	3	0		0		0		0		1		1		0		0		0		0		0		0		1
WATERTOWN	M	78	4	151*	15	118	1	202*	0	0*	13	89	0	0*	0	0*	0	0*	16	112	4	77*	1	44*	2	86*	22
	F	85	4	232*	9	66	0	0*	3	159*	5	51	26	104	0	0*	8	82	0	0*	4	182*	4	257*	1	45*	21
	T	163	8		24		1		3		18		26		0		8		16		8		5		3		43
WAYLAND	M	24	0	0*	3	78*	0	0*	2	416*	3	69*	0	0*	0	0*	0	0*	4	93*	3	193*	0	0*	1	106*	8
	F	23	0	0*	5	138	0	0*	0	0*	2	91*	8	128	1	212*	0	0*	0	0*	0	0*	0	0*	2	210*	5
	T	47	0		8		0		2		5		8		1		0		4		3		0		3		13
WEBSTER	M	36	2	153*	8	122	1	433*	0	0*	7	105	1	999*	0	0*	0	0*	6	73	1	38*	0	0*	0	0*	10
	F	41	1	114*	6	85	0	0*	0	0*	4	86*	9	77	1	111*	10	221+	0	0*	0	0*	1	128*	1	91*	8
	T	77	3		14		1		0		11		10		1		10		6		1		1		1		18
WELLESLEY	M	46	3	184*	8	98	0	0*	0	0*	6	69	0	0*	0	0*	0	0*	8	80	7	215	4	309*	1	74*	9
	F	68	0	0*	11	95	0	0*	1	63*	8	107	25	128	0	0*	6	80	0	0*	5	284+	0	0*	1	55*	11
	T	114	3		19		0		1		14		25		0		6		8		12		4		2		20
WELLFLEET	M	10	0	0*	0	0*	0	0*	0	0*	2	101*	0	0*	0	0*	0	0*	2	102*	1	143*	0	0*	1	351*	4
	F	6	0	0*	1	105*	0	0*	0	0*	1	174*	2	114*	1	565*	1	148*	0	0*	0	0*	0	0*	0	0*	0
	T	16	0		1		0		0		3		2		1		1		2		1		0		1		4
WENDELL	M	0	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0
	F	0	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0
	T	0	0		0		0		0		0		0		0		0		0		0		0		0		0
WENHAM	M	4	1	727*	2	286*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	1	125*	0	0*	0	0*	0	0*	0
	F	7	0	0*	0	0*	0	0*	0	0*	0	0*	3	202*	1	999*	1	169*	0	0*	0	0*	0	0*	0	0*	2
	T	11	1		2		0		0		0		3		1		1		1		0		0		0		2
WEST BOYLSTON	M	13	0	0*	0	0*	0	0*	0	0*	3	120*	0	0*	0	0*	0	0*	1	46*	1	121*	0	0*	2	336*	6
	F	17	3	769*	3	102*	0	0*	1	257*	3	154*	4	81*	0	0*	1	51*	0	0*	0	0*	0	0*	1	225*	1
	T	30	3		3		0		1		6		4		0		1		1		1		0		3		7
WEST BRIDGEWATER	M	20	2	289*	6	176	0	0*	1	226*	3	70*	0	0*	0	0*	0	0*	6	163	0	0*	0	0*	0	0*	2
	F	14	0	0*	2	99*	0	0*	0	0*	1	70*	4	103*	0	0*	3	204*	0	0*	0	0*	0	0*	0	0*	4
	T	34	2		8		0		1		4		4		0		3		6		0		0		0		6
WEST BROOKFIELD	M	8	0	0*	1	92*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	3	235*	0	0*	1	417*	1	144*	2
	F	7	1	415*	2	118*	0	0*	0	0*	0	0*	1	58*	0	0*	1	155*	0	0*	0	0*	0	0*	0	0*	2
	T	15	1		3		0		0		0		1		0		1		3		0		1		1		4
WEST NEWBURY	M	0	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0
	F	7	0	0*	2	165*	0	0*	0	0*	0	0*	2	99*	2	999*	1	125*	0	0*	0	0*	0	0*	0	0*	0
	T	7	0		2		0		0		0		2		2		1		0		0		0		0		0

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MASSACHUSETTS DEPARTMENT OF PUBLIC HEALTH CANCER REGISTRY
1984 CANCER INCIDENCE

CITY-TOWN	SEX	ALL SITES	ST	PIR	CO RE	PIR	LI	PIR	PA	PIR	LU	PIR	BR	PIR	CE	PIR	UT	PIR	PR	PIR	BL	PIR	KI	PIR	HE RE	PIR	OTHER SITES
WEST SPRINGFIELD	M	43	0	0*	8	109	0	0*	0	0*	12	142	0	0*	0	0*	0	0*	10	119	3	102*	2	157*	0	0*	8
	F	48	1	89*	11	130	0	0*	0	0*	3	61*	9	68	0	0*	6	117	0	0*	0	0*	2	232*	2	134*	14
	T	91	1		19		0		0		15		9		0		6		10		3		4		2		22
WEST STOCKBRIDGE	M	4	0	0*	2	274*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	1	110*	0	0*	0	0*	0	0*	1
	F	5	0	0*	1	91*	0	0*	0	0*	0	0*	3	234*	0	0*	1	207*	0	0*	0	0*	0	0*	0	0*	0
	T	9	0		3		0		0		0		3		0		1		1		0		0		0		1
WEST TISBURY	M	0	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0
	F	1	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	1	999*	0	0*	0	0*	0	0*	0	0*	0	0*	0
	T	1	0		0		0		0		0		0		1		0		0		0		0		0		0
WESTBOROUGH	M	23	1	130*	4	106*	0	0*	0	0*	3	66*	0	0*	0	0*	0	0*	3	72*	2	132*	0	0*	1	146*	9
	F	34	0	0*	5	91	0	0*	1	134*	3	81*	11	110	1	116*	4	104*	0	0*	1	114*	0	0*	1	111*	7
	T	57	1		9		0		1		6		11		1		4		3		3		0		2		16
WESTFIELD	M	47	2	123*	4	50*	0	0*	1	101*	7	82	0	0*	0	0*	0	0*	14	149	8	249+	0	0*	2	125*	9
	F	61	3	272*	6	68	0	0*	0	0*	5	77	20	111	3	170*	6	87	0	0*	5	356#	0	0*	0	0*	13
	T	108	5		10		0		1		12		20		3		6		14		13		0		2		22
WESTFORD	M	20	0	0*	2	66*	0	0*	0	0*	6	153	0	0*	0	0*	0	0*	2	65*	2	164*	0	0*	0	0*	8
	F	16	0	0*	0	0*	0	0*	1	334*	1	62*	7	153	1	202*	2	115*	0	0*	0	0*	2	700*	0	0*	2
	T	36	0		2		0		1		7		7		1		2		2		2		2		0		10
WESTHAMPTON	M	2	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	2
	F	0	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0
	T	2	0		0		0		0		0		0		0		0		0		0		0		0		2
WESTMINSTER	M	10	0	0*	3	189*	0	0*	0	0*	3	148*	0	0*	0	0*	0	0*	0	0*	1	155*	0	0*	0	0*	3
	F	7	0	0*	1	137*	0	0*	0	0*	0	0*	2	89*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	4
	T	17	0		4		0		0		3		2		0		0		0		1		0		0		7
WESTON	M	23	0	0*	4	103*	0	0*	1	213*	2	49*	0	0*	0	0*	0	0*	7	147	2	129*	0	0*	0	0*	7
	F	23	0	0*	3	81*	0	0*	0	0*	2	94*	8	125	0	0*	3	121*	0	0*	1	176*	0	0*	2	248*	4
	T	46	0		7		0		1		4		8		0		3		7		3		0		2		11
WESTPORT	M	29	1	97*	8	162	0	0*	0	0*	8	140	0	0*	0	0*	0	0*	3	55*	0	0*	0	0*	1	120*	8
	F	20	1	229*	2	56*	0	0*	1	197*	3	132*	4	70*	0	0*	4	179*	0	0*	0	0*	0	0*	4	752*	1
	T	49	2		10		0		1		11		4		0		4		3		0		0		5		9
WESTWOOD	M	30	1	100*	8	156	0	0*	0	0*	2	34*	0	0*	0	0*	0	0*	8	135	3	148*	0	0*	1	92*	7
	F	27	0	0*	3	69*	0	0*	0	0*	3	101*	11	144	0	0*	3	100*	0	0*	0	0*	1	197*	1	114*	5
	T	57	1		11		0		0		5		11		0		3		8		3		1		2		12
WEYMOUTH	M	96	2	59*	17	109	1	174*	2	98*	17	86	0	0*	0	0*	0	0*	23	144	5	79	2	66*	3	101*	24
	F	123	5	210	26	141	0	0*	2	77*	24	180#	22	62-	3	99*	11	79	0	0*	0	0*	3	134*	5	129	22
	T	219	7		43		1		4		41		22		3		11		23		5		5		8		46

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MASSACHUSETTS DEPARTMENT OF PUBLIC HEALTH CANCER REGISTRY
1984 CANCER INCIDENCE

CITY-TOWN	SEX	ALL SITES	ST	PIR	CO RE	PIR	LI	PIR	PA	PIR	LU	PIR	BR	PIR	CE	PIR	UT	PIR	PR	PIR	BL	PIR	KI	PIR	HE RE	PIR	OTHER SITES
WHATELY	M	3	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	1	144*	0	0*	0	0*	0	0*	2
	F	1	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	1	999*	0	0*	0	0*	0	0*	0	0*	0
	T	4	0		0		0		0		0		0		0		1		1		0		0		0		2
WHITMAN	M	27	1	108*	2	44*	1	600*	0	0*	9	169	0	0*	0	0*	0	0*	7	135	0	0*	1	124*	1	99*	5
	F	20	0	0*	2	72*	0	0*	0	0*	3	143*	6	99	1	153*	2	87*	0	0*	1	227*	1	290*	1	189*	3
	T	47	1		4		1		0		12		6		1		2		7		1		2		2		8
WILBRAHAM	M	19	0	0*	9	280#	0	0*	0	0*	4	96*	0	0*	0	0*	0	0*	2	60*	1	78*	0	0*	0	0*	3
	F	22	0	0*	3	81*	0	0*	1	193*	1	40*	8	126	0	0*	2	81*	0	0*	1	176*	1	242*	0	0*	5
	T	41	0		12		0		1		5		8		0		2		2		2		1		0		8
WILLIAMSBURG	M	7	1	369*	0	0*	0	0*	1	663*	2	145*	0	0*	0	0*	0	0*	1	79*	1	206*	0	0*	1	507*	0
	F	5	0	0*	1	174*	0	0*	0	0*	0	0*	4	249*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0
	T	12	1		1		0		1		2		4		0		0		1		1		0		1		0
WILLIAMSTOWN	M	20	0	0*	7	220	0	0*	0	0*	1	28*	0	0*	0	0*	0	0*	5	136	1	79*	0	0*	2	193*	4
	F	26	0	0*	7	150	0	0*	0	0*	4	148*	7	95	0	0*	4	142*	0	0*	1	143*	0	0*	0	0*	3
	T	46	0		14		0		0		5		7		0		4		5		2		0		2		7
WILMINGTON	M	29	1	94*	1	21*	0	0*	0	0*	8	128	0	0*	0	0*	0	0*	2	42*	6	309+	0	0*	0	0*	11
	F	24	1	231*	4	115*	0	0*	0	0*	5	197	8	111	1	136*	2	72*	0	0*	0	0*	0	0*	1	158*	2
	T	53	2		5		0		0		13		8		1		2		2		6		0		1		13
WINCHENDON	M	19	1	170*	4	158*	0	0*	1	277*	3	85*	0	0*	0	0*	0	0*	2	93*	0	0*	0	0*	0	0*	8
	F	11	0	0*	3	204*	0	0*	0	0*	2	145*	1	29*	1	394*	0	0*	0	0*	0	0*	0	0*	0	0*	4
	T	30	1		7		0		1		5		1		1		0		2		0		0		0		12
WINCHESTER	M	59	0	0*	10	109	0	0*	0	0*	7	65	0	0*	0	0*	0	0*	14	138	6	160	0	0*	5	224	17
	F	44	0	0*	8	106	0	0*	0	0*	4	89*	15	120	0	0*	5	105	0	0*	2	172*	0	0*	2	164*	8
	T	103	0		18		0		0		11		15		0		5		14		8		0		7		25
WINDSOR	M	0	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0
	F	0	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0
	T	0	0		0		0		0		0		0		0		0		0		0		0		0		0
WINTHROP	M	45	3	196*	4	53*	1	345*	1	105*	13	149	0	0*	0	0*	0	0*	5	58	2	66*	2	150*	1	76*	13
	F	41	1	115*	8	119	0	0*	0	0*	5	120	9	78	1	96*	3	68*	0	0*	2	197*	3	407*	1	77*	8
	T	86	4		12		1		1		18		9		1		3		5		4		5		2		21
WOBURN	M	96	1	31*	10	65	0	0*	3	149*	24	128	0	0*	0	0*	0	0*	19	117	5	80	1	34*	11	390#	22
	F	72	1	84*	9	89	0	0*	5	340+	9	110	20	93	1	49*	8	96	0	0*	6	368#	1	74*	2	99*	10
	T	168	2		19		0		8		33		20		1		8		19		11		2		13		32
WORCESTER	M	428	22	149	72	100	1	36*	12	133	69	85	1	141*	0	0*	0	0*	90	109	21	73	17	134	13	92	110
	F	485	16	151	89	108	2	194*	7	62	46	90	140	102	18	158	47	89	0	0*	14	112	6	68	14	96	86
	T	913	38		161		3		19		115		141		18		47		90		35		23		27		196

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1984 CANCER INCIDENCE

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WORTHINGTON	M	1	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	1
	F	1	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	0	0*	1
	T	2	0		0		0		0		0		0		0		0		0		0		0		0		2
WRENTHAM	M	13	0	0*	2	96*	0	0*	0	0*	4	171*	0	0*	0	0*	0	0*	0	0*	1	118*	1	272*	0	0*	5
	F	22	0	0*	3	94*	0	0*	1	217*	4	157*	7	106	1	156*	1	40*	0	0*	1	197*	0	0*	0	0*	4
	T	35	0		5		0		1		8		7		1		1		0		2		1		0		9
YARMOUTH	M	78	0	0*	15	107	0	0*	1	59*	15	102	0	0*	0	0*	0	0*	21	124	7	126	1	45*	2	89*	16
	F	86	0	0*	13	85	1	582*	3	146*	7	76	27	115	0	0*	13	144	0	0*	4	175*	3	183*	1	35*	14
	T	164	0		28		1		4		22		27		0		13		21		11		4		3		30

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MASSACHUSETTS DEPARTMENT OF PUBLIC HEALTH CANCER REGISTRY
1984 CANCER INCIDENCE

HSA TOTALS

HSA	SEX	ALL SITES	ST	PIR	CO RE	PIR	LI	PIR	PA	PIR	LU	PIR	BR	PIR	CE	PIR	UT	PIR	PR	PIR	BL	PIR	KI	PIR	HE RE	PIR	OTHER SITES
I	M	1580	49	90	274	104	6	60	41	124	293	96	1	39*	0	0*	0	0*	299	101	118	111	43	91	58	115	398
	F	1688	33	93	257	93	1	27*	29	76	192	106	524	108	31	77	209	112	0	0*	45	105	28	92	41	83	298
	T	3268	82		531		7		70		485		525		31		209		299		163		71		99		696
II	M	1473	64	128	240	99	6	64	31	101	263	93	3	125*	0	0*	0	0*	300	112	95	97	49	111	43	89	379
	F	1552	37	116	251	100	3	88*	31	89	172	102	448	100	43	115	176	102	0	0*	44	113	20	71	47	105	280
	T	3025	101		491		9		62		435		451		43		176		300		139		69		90		659
III	M	891	26	85	155	107	4	71*	14	75	189	109	2	134*	0	0*	0	0*	152	96	60	102	27	100	27	93	235
	F	894	24	132	164	117	3	156*	20	103	71	75-	247	95	28	121	114	114	0	0*	27	122	16	101	21	80	159
	T	1785	50		319		7		34		260		249		28		114		152		87		43		48		394
IV	M	4163	127	89	685	100	35	133	74	85	751	94	7	101	0	0*	0	0*	725	97	280	101	130	104	133	101	1216
	F	4599	91	94	737	98	11	110	107	103	475	97	1324	100	104	91	492	96	0	0*	113	97	92	112	118	89	935
	T	8762	218		1422		46		181		1226		1331		104		492		725		393		222		251		2151
V	M	1993	69	101	322	97	13	101	44	106	413	110	2	60*	0	0*	0	0*	378	101	98	74=	61	103	74	111	519
	F	2147	38	82	359	100	6	130	55	112	219	96	575	94	70	138#	248	106	0	0*	42	76	45	116	79	124	411
	T	4140	107		681		19		99		632		577		70		248		378		140		106		153		930
VI	M	1384	58	122	215	94	9	103	36	124	297	111	4	174*	0	0*	0	0*	243	96	113	122+	35	84	36	82	338
	F	1560	38	119	263	105	3	89*	38	109	197	118+	455	102	28	73	138	80-	0	0*	43	111	23	81	57	122	277
	T	2944	96		478		12		74		494		459		28		138		243		156		58		93		615

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STATEWIDE TOTALS

SEX	AGES	ALL SITES	ST	CO RE	LI	PA	LU	BR	CE	UT	PR	BL	KI	HE RE	OTHER SITES
MALES	00-19	153	0	1	2	0	0	0	0	0	0	1	5	40	104
	20-44	708	13	36	5	7	54	1	0	0	2	25	19	30	516
	45-64	3569	139	532	18	78	835	9	0	0	373	224	131	95	1135
	65-74	3809	118	686	27	87	817	3	0	0	819	263	112	107	770
	75-84	2477	91	472	14	51	429	3	0	0	655	186	61	77	438
	85+	768	32	164	7	17	71	3	0	0	248	65	17	22	122
FEMALES	00-19	168	3	2	0	0	0	12	0	7	0	0	4	33	107
	20-44	1120	5	35	1	7	51	389	95	129	0	9	9	33	357
	45-64	3978	46	396	12	64	533	1348	107	558	0	84	70	82	678
	65-74	3512	69	647	5	89	469	958	66	360	0	96	82	95	576
	75-84	2645	84	649	8	89	233	643	26	235	0	80	51	84	463
	85+	1017	54	302	1	31	40	223	10	88	0	45	8	36	179

APPENDIX I

The Commonwealth of Massachusetts
Department of Public Health
Cancer Registry

Check if:

☐ Addition

☐ Deletion

HOSPITAL NAME	CODE	DATE OF DIAGNOSIS M M D D Y Y	HOSPITAL RECORD NUMBER

LAST NAME	FIRST NAME	M.I.	SEX	RACE

MAIDEN NAME (IF APPLIC.)	STREET ADDRESS	CITY/TOWN NAME	STATE

ZIP CODE	BIRTHDATE M M D D Y Y	AGE	BIRTH STATE	SMOK. ST.	PRIMARY SITE	HISTOLOGY	STAGE
–							

SEQ. NO.	CONF.	PLACE DX.	VIT. ST.	RESEARCH	USUAL OCCUPATION:	DO NOT FILL IN. DPH USE ONLY.

NOTE: Ch. 111, s. 1118 of the Massachusetts General Laws requires hospitals to report the above information. The following codes are to be used for certain of the responses. Refer to detailed instructions for further explanation.

SEX

M = Male
F = Female
U = Unknown

STATE

Use two-letter postal abbreviation. If from outside U.S., see instructions.

RACE/ETHNIC GROUP

0 = Caucasian of Spanish origin or surname
1 = Caucasian, not otherwise specified
2 = Black, including Haitian and Cape Verdean
3 = American Indian or Alaskan native
4 = Chinese
5 = Japanese
6 = Other Asian or Pacific Islander
7 = Other non-white
9 = Unknown race or ethnic group

AGE

Give two-digit age at last birthday. Code D1, D2, etc., if under 10 years. If 98 or older, code 98; if unknown, code 99.

SMOK. ST.
(Smoking Status)

0 = Never smoked cigarettes
1 = Former cigarette smoker
2 = Cigarette smoker at time of diagnosis
9 = Smoking status unknown

ZIP CODE

Use nine-digit postal Zip Code, if available. If not, code five digits to left of dash.

PRIMARY SITE

Use the first block to code the classification system used (9 = ICD-9, D = ICD-D, etc.). See instructions for details.

HISTOLOGY

Use the first block to code the histologic system used (P = SNOP, M = SNOMED, etc.). See instructions for details.

STAGE

Use the first block to code the staging system used on this patient (J = Am. Joint Commission, T = TNM, S = SEER, etc.). See instructions for details.

SEQ. NO.
(Sequence of Diagnosis)

1 = First primary tumor
2 = Second . . . up to
8 = Eighth or more
9 = Unspecified

CONF.
(Confirmation Method)

1 = Positive Histology
2 = Positive exfoliative cytology in the absence of positive histology
3 = Positive microscopic confirmation, not otherwise specified
4 = Diagnosis made at autopsy
5 = Direct clinical visualization without microscopic confirmation
6 = Radiography without microscopic confirmation
7 = Clinical diagnosis other than #5 or #6
9 = Unknown or unspecified whether microscopic confirmation was obtained

PLACE DX.
(Place of Diagnosis)

1 = Diagnosis made at your facility (see #6, also)
2 = Diagnosis made at another Massachusetts hospital
3 = Diagnosis made in Massachusetts but not in a hospital (includes private offices)
4 = Diagnosis made in a hospital outside of Massachusetts
5 = Diagnosis made outside of Massachusetts but not in a hospital
6 = Diagnosis made at autopsy (if both #1 and #6 are true, code #6)

VIT. ST.
(Vital Status)

1 = Patient living
2 = Patient deceased

RESEARCH

Use two right-hand columns only. If you do not wish to use this option, leave blank.

Please use other side for additional clinical and diagnostic notes, as appropriate.

APPENDIX II

In calculating a standardized Proportional Incidence Ratio (PIR), the expected number of cases of particular types of cancer in a town are computed on the basis of the proportion (percentage) of that cancer in the State population. These expected numbers are age-, sex-, and time-specific; in this case, we are comparing the town to the State for 1984 only, but we could sum more than one year. The total number of cancers expected is divided into the total number observed:

$$PIR = \frac{\text{Observed}}{\text{Expected}} \times 100.$$

The following example illustrates the method for an hypothetical town for one type of cancer:

	TOWN X	STATE		
AGE GROUP	ALL 1984 CANCER CASES (1)	CANCER TYPE AS PROPORTION OF ALL 1984 CASES (2)	EXPECTED NEW CASES OF THIS TYPE IN TOWN X (3)=(1)X(2)	ACTUAL NEW CASES OF THIS TYPE IN TOWN X (4)
0-19	3	.01	0.0	0
20-44	9	.07	0.6	1
45-64	15	.11	1.7	3
65-74	25	.15	3.8	4
75-84	15	.20	3.0	3
85+	7	.15	1.1	0
			10.2	11.0

$$PIR = \frac{\text{Actual cases}}{\text{Expected cases}} \times 100 = \frac{11}{10.2} \times 100 = 108$$

Significance testing is by the usual Chi-square method.

Reference: Monson, Richard R. Occupational Epidemiology, (CRC Press, Boca Raton, Fla.), 1980.

APPENDIX III

MASSACHUSETTS CANCER REGISTRY ADVISORY COMMITTEE

Howard Ulfelder, M.D., Chairman
Cox Cancer Center
Massachusetts General Hospital

Senator Louis Bertonazzi
Massachusetts Senate

Russell Sylva, Commissioner
Department of Environmental Quality Engineering

Barbara Fegan, past President
League of Women Voters

Robina Folland, Cancer Center Administrator
Tufts New England Medical Center

David Kinzer, Executive Director
Massachusetts Hospital Association

William Munier, M.D., Executive Vice-President
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Harvard School of Public Health

Appendix IV

U.S. Census 1980 Populations for Massachusetts Cities and Towns

Abington	13,517
Acton	17,544
Acushnet	8,704
Adams	10,381
Agawam	26,271
Alford	394
Amesbury	13,971
Amherst	33,229
Andover	26,370
Arlington	48,219
Ashburnham	4,075
Ashby	2,311
Ashfield	1,458
Ashland	9,165
Athol	10,634
Attleboro	34,196
Auburn	14,845
Avon	5,026
Ayer	6,993
Barnstable	30,898
Barre	4,102
Becket	1,339
Bedford	13,067
Belchertown	8,339
Bellingham	14,300
Belmont	26,100
Berkley	2,731
Berlin	2,215
Bernardston	1,750
Beverly	37,655
Billerica	36,727
Blackstone	6,570
Blandford	1,038
Bolton	2,530
Boston	562,994
Bourne	13,874
Boxborough	3,126
Boxford	5,374
Boylston	3,470
Braintree	36,337
Brewster	5,226
Bridgewater	17,202
Brimfield	2,318
Brockton	95,172
Brookfield	2,397
Brookline	55,062
Buckland	1,864
Burlington	23,486
Cambridge	95,322
Canton	18,182
Carlisle	3,306
Carver	6,988
Charlemont	1,149
Charlton	6,719
Chatham	6,071
Chelmsford	31,174
Chelsea	25,431
Cheshire	3,124
Chester	1,123
Chesterfield	1,000
Chicopee	55,112
Chilmark	489
Clarksburg	1,871
Clinton	12,771
Cohasset	7,174
Colrain	1,552
Concord	16,293
Conway	1,213
Cunningham	657
Dalton	6,797
Danvers	24,100
Dartmouth	23,966
Dedham	25,298
Deerfield	4,517
Dennis	12,360
Dighton	5,352
Douglas	3,730
Dover	4,703
Dracut	21,249
Dudley	8,717
Dunstable	1,671
Duxbury	11,807
East Bridgewater	9,945
East Brookfield	1,955
East Longmeadow	12,905
Eastham	3,472
Easthampton	15,580
Easton	16,623
Edgartown	2,204
Egremont	1,311
Erving	1,326
Essex	2,998
Everett	37,195
Fairhaven	15,759
Fall River	92,574
Falmouth	23,640

Fitchburg	39,580
Florida	730
Foxborough	14,148
Framingham	65,113
Franklin	18,217
Freetown	7,058
Gardner	17,900
Gay Head	220
Georgetown	5,687
Gill	1,259
Gloucester	27,768
Goshen	651
Gosnold	63
Grafton	11,238
Granby	5,380
Granville	1,204
Great Barrington	7,405
Greenfield	18,436
Groton	6,154
Groveland	5,040
Hadley	4,125
Halifax	5,513
Hamilton	6,960
Hampden	4,745
Hancock	643
Hanover	11,358
Hanson	8,617
Hardwick	2,272
Harvard	12,170
Harwich	8,971
Hatfield	3,045
Haverhill	46,865
Hawley	280
Heath	482
Hingham	20,339
Hinsdale	1,707
Holbrook	11,140
Holden	13,336
Holland	1,589
Holliston	12,622
Holyoke	44,678
Hopedale	3,905
Hopkinton	7,114
Hubbardston	1,797
Hudson	16,408
Hull	9,714
Huntington	1,804
Ipswich	11,158
Kinsgston	7,362
Lakeville	5,931
Lancaster	6,334
Lanesborough	3,131
Lawrence	63,175
Lee	6,247
Leicester	9,446
Lenox	6,523
Leominster	34,508
Leverett	1,471
Lexington	29,479
Leyden	498
Lincoln	7,098
Littleton	6,970
Longmeadow	16,301
Lowell	92,418
Ludlow	18,150
Lunenburg	8,405
Lynn	78,471
Lynnfield	11,267
Malden	53,386
Manchester	5,424
Mansfield	13,453
Marblehead	20,126
Marion	3,932
Marlborough	30,617
Marshfield	20,916
Mashpee	3,700
Mattapoisett	5,597
Maynard	9,590
Medfield	10,220
Medford	58,076
Medway	8,447
Melrose	30,055
Mendon	3,108
Merrimac	4,451
Methuen	36,701
Middleborough	16,404
Middlefield	385
Middleton	4,135
Milford	23,390
Millbury	11,808
Millis	6,908
Millville	1,693
Milton	25,860
Monroe	179
Monson	7,315
Montague	8,011
Monterey	818
Montgomery	637
Mount Washington	93
Nahant	3,947
Nantucket	5,087
Natick	29,461
Needham	27,901
New Ashford	159
New Bedford	98,478
New Braintree	671

New Marlborough	1,160
New Salem	688
Newbury	4,529
Newburyport	15,900
Newton	83,622
Norfolk	6,363
North Adams	18,063
North Andover	20,129
North Attleborough	21,095
North Brookfield	4,150
North Reading	11,455
Northampton	29,286
Northborough	10,568
Northbridge	12,246
Northfield	2,386
Norton	12,690
Norwell	9,182
Norwood	29,711
Oak Bluffs	1,984
Oakham	994
Orange	6,844
Orleans	5,306
Otis	963
Oxford	11,680
Palmer	11,389
Paxton	3,762
Peabody	45,976
Pelham	1,112
Pembroke	13,487
Pepperell	8,061
Peru	633
Petersham	1,024
Phillipston	958
Pittsfield	51,974
Plainfield	425
Plainville	5,857
Plymouth	35,913
Plympton	1,974
Princeton	2,425
Provincetown	3,536
Quincy	84,743
Randolph	28,218
Raynham	9,085
Reading	22,678
Rehoboth	7,570
Revere	42,423
Richmond	1,659
Rochester	3,205
Rockland	15,695
Rockport	6,345
Rowe	336
Rowley	3,867
Royalston	955
Russell	1,570
Rutland	4,334
Salem	38,220
Salisbury	5,973
Sandisfield	720
Sandwich	8,727
Saugus	24,746
Savoy	644
Scituate	17,317
Seekonk	12,269
Sharon	13,601
Sheffield	2,743
Shelburne	2,002
Sherborn	4,049
Shirley	5,124
Shrewsbury	22,674
Shutesbury	1,049
Somerset	18,813
Somerville	77,372
South Hadley	16,399
Southampton	4,137
Southborough	6,193
Southbridge	16,665
Southwick	7,382
Spencer	10,774
Springfield	152,319
Sterling	5,440
Stockbridge	2,328
Stoneham	21,424
Stoughton	26,710
Stow	5,144
Sturbridge	5,976
Sudbury	14,027
Sunderland	2,929
Sutton	5,855
Swampscott	13,837
Swansea	15,461
Taunton	45,001
Templeton	6,070
Tewksbury	24,635
Tisbury	2,972
Tolland	235
Topsfield	5,709
Townsend	7,201
Truro	1,486
Tyngsborough	5,683
Tyringham	344
Upton	3,886
Uxbridge	8,374
Wakefield	24,895
Wales	1,177
Walpole	18,859
Waltham	58,200

Ware	8,953	Westford	13,434
Wareham	18,457	Westhampton	1,137
Warren	3,777	Westminster	5,139
Warwick	603	Weston	11,169
Washington	587	Westport	13,763
Watertown	34,384	Westwood	13,212
Wayland	12,170	Weymouth	55,601
Webster	14,480	Whately	1,341
Wellesley	27,209	Whitman	13,534
Wellfleet	2,209	Wilbraham	12,053
Wendell	694	Willliamsburg	2,237
Wenham	3,897	Williamstown	8,741
West Boylston	6,204	Wilmington	17,471
West Bridgewater	6,359	Winchendon	7,019
West Brookfield	3,026	Winchester	20,701
West Newbury	2,861	Windsor	598
West Springfield	27,042	Winthrop	19,294
West Stockbridge	1,280	Woburn	36,626
West Tisbury	1,010	Worcester	161,799
Westborough	13,619	Worthington	932
Westfield	36,465	Wrentham	7,580
		Yarmouth	18,449
		State Total	5,737,037

HSA I	- Western Massachusetts	803,517
HSA II	- Central Massachusetts	680,521
HSA III	- Merrimack Valley	487,884
HSA IV	- Greater Boston	2,110,139
HSA V	- Southeastern Massachusetts	1,023,073
HSA VI	- North Shore	631,903

APPENDIX V

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Ann Grazulis, Office Manager

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This report was prepared by the Cancer Registry staff, with data system development and computer programming designed and implemented by Irene Klangos, Director of the Public Information/Data Management Unit within the Division of Health Statistics and Research, Lynne Steinman, Programmer within that unit, and Mary McLaughlin of the Division of Data Processing.

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